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Eab-F2 .....AGAGG..AAGTA..AAA.GTCGTAACAAGGT.TTCCGT.AGGT  
 Eab-F3 .....TT.....AGAGG..AAGTA..AAA.GTCGTAACAAGGT.TTCCGT.AGGT  
 Eab-F5 .....GG..AAGTA..AAA.GTCGTAACAAGGT.TTCCGT.AGGT  
 Eab-S5 .....T.....CG..A..TA..AA..GTCGTAACAAGGT.TTCCGT.AGGT  
 Eab-S6 .....GGG.A..TA..AAA.GTCGTAACAAGGT.TTCCGT.AGGT  
 Eab-F1 .....TT.....AGAGGGGAA.TA..AAAAGTCGTAACAAGGT.TTCCGT.AGGT  
 Eab-F6 .....TTTAGAGGG.AAGTA..AAAAGTCGTAACAAGGT.TTCCGT.AGGT  
 Eab-F7 ..TTCCCTT..T..TTTAGAGG..AAGTA..AAA.GTCGTAACAAGGT.TTCCGT.AGGT  
 Eab-S1 .....A.....GTCGTAACAAGGT.TTCCGT.AGGT  
 Eab-S2 .....GTCGTAACAAGGT.TTCCGT.AGGT  
 Eab-S4 .....GTCGTAACAAGGT.TTCCGT.AGGT  
  
 521 .....  
 Eab-S3 .....A..AA..GTCGTAACAAGGT.TTCCGT.AGGT  
 RH2815 .....  
 AGK ....C..TTGGTCATTTAGAGG..AAGTA..AAA.GTCGTAACAAGGT.TTCCGT.AGGT  
 AGN ....C..TTGGTCATTTAGAGG..AAGTA..AAA.GTCGTAACAAGGT.TTCCGT.AGGT  
 AGP ....C..TTGGTCATTTAGAGG..AAGTA..AAA.GTCGTAACAAGGT.TTCCGT.AGGT  
 AGBO GCT.C..TTGGTCATTTAGAGG..AAGTA..AAA.GTCGTAACAAGGT.TTCCGT.AGGT  
 AGBB GCT.C..TTGGTCATTTAGAGG..AAGTA..AAA.GTCGTAACAAGGT.TTCCGT.AGGT  
 AGJ ....C..TTGGTCATTTAGAGG..AAGTA..AAA.GTCGTAACAAGGT.TTCCGT.AGGT  
 AGG ..T.C..TTGGTCATTTAGAGG..AAGTA..AAA.GTCGTAACAAGGT.TTCCGT.AGGT  
 AGC ....C..TTGGTCATTTAGAGG..AAGTA..AAA.GTCGTAACAAGGT.TTCCGT.AGGT  
 AGA ....C..TTGGTCATTTAGAGG..AAGTA..AAA.GTCGTAACAAGGT.TTCCGT.AGGT  
 CAG2 ....C..TTGGTCATTTAGAGG..AAGTA..AAA.GTCGTAACAAGGT.TTCCGT.AGGT  
 AGD ..T.C..TTGGTCATTTAGAGG..AAGTA..AAA.GTCGTAACAAGGT.TTCCGT.AGGT  
 AGE ....C..TTGGTCATTTAGAGG..AAGTATTA...GTCGTAACAAGGT.TTCCGT.AGGT  
 AGI ..T.C..TTGGTCATTTAGAGG..AAGTA..AAA.GTCGTAACAAGGT.TTCCGT.AGGT  
 AGL ..T.C..TTGGTCATTTAGAGG..AAGTA..AAA.GTCGTAACAAGGT.TTCCGT.AGGT  
 AGR .....  
 AGS .....  
  
 Eab-A1 .....A..AA..GTCG..AACAAGGT.TTCCGT.AGGT  
 Eab-A2 .....A..AA..GTCG..AACAAGGT.TTCCGT.AGGT  
 Eab-S7 .....A..A...GTCGTAACAAGGT.TTCCGT.AGGT  
 68AG8 .....  
 K31AG5 .....  
 16001AG3 .....  
 TPV12MAG9 .....  
 HG1HAM6 .....  
 TE25AGBI .....  
 1556AG7 .....  
 HG1PF10 .....  
 HGIIRH165 .....  
 AG22IV .....  
 AG22IIIB .....  
 1AAG1 .....  
 Tharzianum .....T.....A.G.A..A...GTCGTAACAAGGTCT.CCGTT.GGT

Fig. 1(A)

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Eab-F2 GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AAT.A...T....AGAG.....T.T...G..GT.TG  
 Eab-F3 GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AAT.A...T....AGAG.....T.T...G..GT.TG  
 Eab-F5 GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AAT.A...T....AGAG.....T.T...G..GT.TG  
 Eab-S5 GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AAT.A...T....AGAG.....T.T...G..GT.TG  
 Eab-S6 GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AAT.A...T....AGAG.....T.T...G..GT.TG  
 Eab-F1 GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AAT.A...T....AGAG.....T.T...G..GT.TG  
 Eab-F6 GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AAT.A...T....AGAG.....T.T...G..GT.TG  
 Eab-F7 GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AAT.A...T....AGAG.....T.T...G..GT.TG  
 Eab-S1 GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AAT.A...T....AGAG.....T.T...G..GT.TG  
 Eab-S2 GAA.CCT.GCGGAAGG.ATCATTAA..T.CGAA.TG....AA.CAA..T....G.G.GG...AT....CG..GT.TG  
 Eab-S4 GAA.CCT.GCGGAAGG.ATCATTAA..T.CGAA.TG....AA.CAA..T....G.G.GG...AT....CG..GT.TG

521 .....A...G....A.....G.....T....CG..GT.TG  
 Eab-S3 GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AA.C...TT..AGAG.....T....CG..GT.TG  
 RH2815 .....A.....G....AG.....T.TT..G..GT.TG  
 AGK GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA...CC...A..C...TT...G.GAG....T....CG..GT.TG  
 AGN GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AA..A.C.T...AGAG.....T.T...G..GT.TG  
 AGP GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AA.CA.C.TT...G.GAG....T....CG..GT.TG  
 AGBO GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AA.C...TT..AGAG.....T....CG..GT.TG  
 AGBB GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AA.C...TT..AGAG.....T....CG..GT.TG  
 AGJ GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AA..A.C.T...AGAG.....T.T...G..GT.TG  
 AGG GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AAT...GT...AGAG.....T.T...G..GT.TG  
 AGC GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AA..A.C.T...AGAG.....T.T...G..GT.TG  
 AGA GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AA..A.C.T...AGAG.....T.T...G..GT.TG  
 CAG2 GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AA..A.C.T...AGAG.....T.T...G..GT.TG  
 AGD GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AA..A.C.T...AGAG.....T.T...G..GT.TG  
 AGE .AAACCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AA..A.C.T...AGAG.....T.T...G..GT.TG  
 AGI GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AA..A.C.T...G.GAG....T.TT..G..GT.TG  
 AGL GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AA.CA...T....G.GAG....T.TT..G..GT.TG  
 AGR ....C...GCGGA.GG..TC.TT.....AA.TG....AAT...G....A.A.AGG.....GA.GT.TG  
 AGS ....C...GCGGA.GG..TC.TT.....AA.TG....AAT...G....A.A.AGG.....GA.GT.TG

Eab-A1 GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.T...T..AAT...GT...AGAG.....T.TT..G..GT.TG  
 Eab-A2 GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.T...T..AAT...GT...AGAG.....T.TT..G..GT.TG  
 Eab-S7 GAA.CCT.GCGGAAGG.ATCATTAA..TT.GAA.TG....AA.C...TT...G.GAG....T....CG..GT.TG  
 68AG8 .....AA...T..TT.....AA.TG....AA....G....AG.....T.T...G..GT.TG  
 K31AG5 .....AA...T..TT.....AA.TG....A.....G....G.G.G...ATATTT.G..GT.TG  
 16001AG3 .....AA...T..TT...T...AA.TG....AA....G....AG.....TTT.G..GT.TG  
 TPV12MAG9 .....AA...T..TT...T...AA.TG....A.....G....GAG.....TTT.G..GT.TG  
 HG1HAM6 .....AA...T..TT.....AA.TG..T..A....G....AG.....TT..G..GT.TG  
 TE25AGBI .....AA...T..TT...TT..AA.TG....AA....G....AG.....TTT.G..GT.TG  
 1556AG7 .AA.....TTA.....AA.TG..T.....G....GAG.....TT..G..GT.TG  
 HG1PF10 GAA...T.....T...AA.TG..T..A....G....AG.....TTT.G..GT.TG  
 HGIIRH165 GAA...T.....T...AA.TG..T..A....G....AG.....TTT.G..GT.TG  
 AG22IV .AA...T.....TTA.....AA...C...AA..A.G....G.G....TATTTG..GT.TG  
 AG22IIIB .AA...T.....TT.AAA..C...AA..A.G....G.G....TATTTG..GT.TG  
 1AAG1 .....TTA..TT..AA.TG....A.....G....GAG.....T.T...GA.GT.TG  
 Tharzianum GAA.CC.AGCGGA.GGGATCATTACC...GA...G..TTTA..CAAC.T.CCCA.A.A.CCC.....AA.TGTG

Fig. 1(B)

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Eab-F2 TC...GCTGGC..T...CC...TC...C.....GG.GAG...C..A..TGTGCAC  
 Eab-F3 TC...GCTGGC..T...CC...TC...C.....GG.GAG...C..A..TGTGCAC  
 Eab-F5 TC...GCTGGC..T...CC...TC...C.....GG.GAG...C..A..TGTGCAC  
 Eab-S5 TC...GCTGGC..T...CC...TC...C.....GG.GAG...C..A..TGTGCAC  
 Eab-S6 TC...GCTGGC..T...CC...TC...C.....GG.GAG...C..A..TGTGCAC  
 Eab-F1 TC...GCTGGC..T...CC...TC...C.....GG.GAG...C..A..TGTGCAC  
 Eab-F6 TC...GCTGGC..T...CC...TC...C.....GG.GAG...C..A..TGTGCAC  
 Eab-F7 TC...GCTGGC..T...CC...TC...C.....GG.GAG...C..A..TGTGCAC  
 Eab-S1 TC...GCTGGC..T...CC...TC..GC.....GG.GAG...C..A..TGTGCAC  
 Eab-S2 TC...GCTGGC..TT..C.....T.T..CA.....TT.....G...AGG...C..A..TGTGCAC  
 Eab-S4 TC...GCTGGC..TT..C.....T.T..CA.....TT.....G...AGG...C..A..TGTGCAC  
  
 521 TC...GCTGGC..T....G...TCTT.....T.....GGC.AG...C..A..TGTGCAC  
 Eab-S3 TC...GCTGGC..T....G...TCTT.....T.....GGC.AG...C..A..TGTGCAC  
 RH2815 T.A..GCTGG..T...CC...CT...AA..TTAA.C.TT.....GGGGGC..A..TGTGCAC  
 AGK TC...GCTGGC..T....G...TCTT..A..T.....TT.....GGC.AG...C..A..TGTGCAC  
 AGN TC...GCTGGC..T....G...TCTT.....T.....GGC.AG...C..A..TGTGCAC  
 AGP TC...GCTGGC..T....G...TCTT.....T.....GGC.AG...C..A..TGTGCAC  
 AGBO TC...GCTGGC..T....G...TCTT.....T.....GGC.AG...C..A..TGTGCAC  
 AGBB TC...GCTGGC..T....G...TCTT.....T.....GGC.AG...C..A..TGTGCAC  
 AGJ TC...GCTGGC.....CC...CTT.CA.C.T.....GGGG.C..A..TGTGCAC  
 AGG TC...GCTGGC.....CC...T.TT.CA.C.T.....GGGG...TA..TGTGCAC  
 AGC TC...GCTGGC.....CC...CTT.CA.C.T.....GGGG.C..A..TGTGCAC  
 AGA TC...GCTGGC.....CC...CTT.CA.C.T.....GGGG.C..A..TGTGCAC  
 CAG2 TC...GCTGGC.....CC...CTT.CA.C.T.....GGGG.C..A..TGTGCAC  
 AGD TC...GCTGGC.....CC...CTT.CA.C.T.....GGGG.C..A..TGTGCAC  
 AGE TC...GCTGGC.....CC...CTT.CA.C.T.....GGGG.CC.A..TGTGCAC  
 AGI T...TGCTGGC.....CC...CTT.....T.A...TT.....GGGG.C..A..TGTGCAC  
 AGL T...TGCTGGC.....CC...CTT.....T.A...TT.....GGGG.C..A..TGTGCAC  
 AGR ..A.TGCTGGC.....C..AGGTCT..C...T.....GG...C..A..TGTGCTC  
 AGS ..A.TGCTGGC.....C..AGGTCT..C...T.....GG...C..A..TGTGCTC  
  
 Eab-A1 T.A..GCTGGC..T...C.....CT...AA..TTAAAC.TT.....GGGGGC..A..TGTGCAC  
 Eab-A2 T.A..GCTGGC..T...C.....CT...AA..TTAAAC.TT.....GGGGGC..A..TGTGCAC  
 Eab-S7 TC...GCTGGC..T....G...TCTT..A..T.....TT.....GGC.AG...C..A..TGTGCAC  
 68AG8 T.A..GCTGG..T...CC.A..T.T...AA..TT.....T.....GGG..C..AA.TGTGCAC  
 K31AG5 T.A..GCTGGC..T...C..A..TC...AA..TT.....T.....GGG..C..A..TGTGCAC  
 16001AG3 T.A..GCTGGCC.....C..A..T.T...AA..TT.....T.....AGG...C..A..TGTGCAC  
 TPV12MAG9 T.A..GCTGGCC.T.....A..T.T..CA...TT.....T.....GGG..C..A..TGTGCAC  
 HG1HAM6 T.A..GCTGGCC.....C.GA..T.TT..AA..T.A...TTT.....GG...G...C..A..TGTGCAC  
 TE25AGBI T.A..GCTGG..T...CC.A..T.T...AA..T.....TT.....GG...G...C..A..TGTGCAC  
 1556AG7 T.A..GCTGGCC.TT...GA..T.T..CA...T.....TTT..C.TA.....GG...C..A..TGTGCAC  
 HG1PF10 T.A..GCTGG..T...CC...CT...AA..TTAA.C.TT.....GG...GGG..C..A..TGTGCAC  
 HGIIRH165 T.A..GCTGGC..T...CC...T....AA..TTAAAC.TT.....GGGGGC..A..TGTGCAC  
 AG22IV T.A..GCTGGC..T...CC.A..T.T...A.....GTTT.....GG..AG...C..A..TGTGCAC  
 AG22IIB T.A..GCTGGC..T...CC.A..T.T...A.....GTTT.....GG..AG...C..A..TGTGCAC  
 1AAG1 T...TGCTGGCC.TTT.....TCT...A.CCTTAA...TTTGGC..A.GG..AGGGGGC..A..TGTGCAC  
 Tharzianum ..AA.....CCAT..ACC.A.....AAC.T....GTT.G.CCT.CGGC..GGG.....GT.CAC

Fig. 1(C)

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Eab-F2 G.C...T.TT...C.TCT..TT....CA..TCC...A...CACA.CAC..C..TGTGCA.C.T...TGTG  
 Eab-F3 G.C...T.TT...C.TCT..TT....CA..TCC...A...CACA.CAC..C..TGTGCA.C.T...TGTG  
 Eab-F5 G.C...T.TT...C.TCT..TT....CA..TCC...A...CACA.CAC..C..TGTGCA.C.T...TGTG  
 Eab-S5 G.C...T.TT...C.TCT..TT....CA..TCC...A...CACA.CAC..C..TGTGCA.C.T...TGTG  
 Eab-S6 G.C...T.TT...C.TCT..TT....CA..TCC...A...CACA.CAC.G...TGTGCA.C.T...TGTG  
 Eab-F1 G.C...T.TT...C.TCT..TT....CA..TCC...A...CACA.CAC..C..TGTGCA.C.T...TGTG  
 Eab-F6 .AC...T.TT...C.TCT..TT....CA..TCC...A...CACA.CAC..C..TGTGCA.C.T...TGTG  
 Eab-F7 G.C...T.TT...C.TCT..TT....CA..TCC...A...CACA.CAC..C..TGTGCA.C.T...TGTG  
 Eab-S1 G.C...T.TT...C.TCT..TT....CA..TCC...A...CACA.CAC..C..TGTGCA.C.T...TGTG  
 Eab-S2 G.CC..T.TT...C.TCT.ATTT...CA..TCC...A...CACA.CAC..C..TGTG.AAC.T...TGTG  
 Eab-S4 G.CC..T.TT...C.TCT.ATTT...CA..TCC...A...CACA.CAC..C..TGTG.AAC.T...TGTG  
  
 521 G.CC..T.T...C.TCT..TTT...CA..TCC...A...CACA.C.C..CC..TGTGCA.C.T...TGTG  
 Eab-S3 G.CC..T.T...C.TCT.ATT...CA..TCC...A...CACA.C.C..CC..TGTGCA.C.T...TGTG  
 RH2815 .ACC..T.TT...C.TCT..TT....CA..TCCC..AT.A.CACA.C.C.....TGTGCA.CCT....GTG  
 AGK G.CC..T.T...C.TCT..TTT...CA..TCC...A...CACA.CAC..CCC.TGTGCA.C.T...TGTG  
 AGN G.CC..T.T...C.TCT..TTT...CA..TCC...A...CACA.C.C..CC..TGTGCA.C.T...TGTG  
 AGP G.CC..T.T...C.TCT.ATT...CA..TCC...A...CACA.C.C..CC..TGTGCA.C.T...TGTG  
 AGBO G.CC..T.T...C.TCT.ATT...CA..TCC...A...CACA.C.C..CC..TGTGCA.CCT....GTG  
 AGBB G.CC..T.T...C.TCT.ATT...CA..TCC...A...CACA.C.C..CC..TGTGCA.CCT....GTG  
 AGJ G.CC..T.T...C.TCT..TT....CA..TCC...A...CACA.CAC..C..TGTGCA.C.T...TGTG  
 AGG G.CC..T.T...C.TCT..TT....CA..TCC...A...CACA.CAC..C..TGTGCA.C.T...TGTG  
 AGC G.CC..T.....CCTCT.ATT...CA..TCC...A...CACA.CAC..C..TGTG.AAC.T...TGTG  
 AGA G.CC..T.....CCTCT.ATT...CA..TCC...A...CACA.CAC..C..TGTG.AAC.T.CCC...G  
 CAG2 .CCC.T.....CCTCT.ATT...CA..TCC...A...CACA.CAC..C..TGTG.AAC.T.CCC...G  
 AGD G.CC..T.....CCTCT.ATT...CA..TCC...A...CACA.CAC..C..TGTG.AAC.T...TGTG  
 AGE G.CC..T.....CCTCT.ATT...CA..TCC...A...CACA.CAC..C..TGTG.AAC.T...TGTG  
 AGI .ACC..T.....CCTCT.ATT...CA..TCC...A...CACA.CAC..C..TGTG.AAC.T...TGTG  
 AGL .ACC..T.....CCTCT.ATT...CA..TCC...A...CACA.CAC..C..TGTG.AAC.T...TGTG  
 AGR G.C...T.T...CC...GA.....CAA.TC....TTATC.CAT.ACA.CC..TGTGCA.C..AC..TGTG  
 AGS G.C...T.T...CC...GA.....CAA.TC....TTATC.CAT.ACA.CC..TGTGCA.C..AC..TGTG  
  
 Eab-A1 .ACC..T.TT...C.TCT..TT....CA..TCCC..AT.A.CACA.C.C.....TGTGCA.CCT....GTG  
 Eab-A2 .ACC..T.TT...C.TCT..TT....CA..TCCC..AT.A.CACA.C.C.....TGTGCA.CCT....GTG  
 Eab-S7 G.CC..T.T...C.TCT..TTT...CA..TCC...A...CACA.CAC..CCC.TGTGCA.C.T...TGTG  
 68AG8 .ACC..T.....CCTCT..TT....CA..TCC...A...CACA.CAC..C..TGTGCA.CC....TGTG  
 K31AG5 .ACC..TAT...C.TCT..TT....CA..TCC...A...CACA.CAC..C..TGTGCA.C.T...TGTG  
 16001AG3 .ACC..T.TT...C.TCT..TT....CA..TCCC..AT.A.CACA.C.C.....TGTG.AAC.T...TGTG  
 TPV12MAG9 .ACC..T.TT...C.TCT..TT....CA..TCCCC.A...CACA.CAC..C..TGTG.AACC....TGTG  
 HG1HAM6 .ACC..T.T...C.TCT..TT....CA..TCC...A...CACA.CAC..C..TGTGCA.CC....TGTG  
 TE25AGBI .ACC..T.TT...C.TCT..TT....CA..TCC...AT.A.CACA.CAC..C..TGTG.AACC....TGTG  
 1556AG7 .ACC..T.T...C.TCT..TT....CA..TCC...A...CACA.CAC..C..TGTGCA.CC....TGTG  
 HG1PF10 .ACC..T.TT...C.TCT..TT....CA..TCCC..AT.A.CACA.C.C.....TGTGCA.CC....TGTG  
 HGIIRH165 .ACC..T.TT...C.TCT..TT....CA..TCCC..ATA..CACA.C.C.....TGTGCA.CC....TGTG  
 AG22IV .ACC..T.TTTG..C.TCT..TTTTTT.AA.TCC...A...CACA.C.C..CC..TGTG.AACC....TGTG  
 AG22IIIB .ACC..T.TTTG..C.TCT..TTTTTT.AA.TCC...A...CACA.CAC..C..TGTG.AACC....TGTG  
 1AAG1 .ACC..T.T...C.TCT..TT....CA..TCC...AT...CACA.C.C..CCC.TGTGCA.C.T...TGTG  
 Tharzianum G.CCCC.....GGG..T.G.....C..GTC...G.....CA.....GCCCC.G.G.AACC.A....G.G

Fig. 1(D)

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Eab-F2 AGAC..GG.A.G.G.ACC..G.T.....AA..AAAA...GTC..TT.C.C.G..T....C.....T...ATT..  
 Eab-F3 AGAC..GG.A.G.G.ACC..G.T.....AA..AAAA...GTC..TT.C.C.G..T....C.....T...ATT..  
 Eab-F5 AGAC..GG.A.G.G.ACC..G.T.....AA..AAA...TGTC..TT.C.C.G..T....C.....T...ATT..  
 Eab-S5 AGAC..GG.A.G.G.ACC..G.T.....AA..AAAA...GTC..TT.C.C.G..T....C.....T...ATT..  
 Eab-S6 AGAC..GG.A.G.G.ACC..G.T.....AA..AAAA...GTC..TT.C.C.G..T....C.....T...ATT..  
 Eab-F1 AGAC..GG.A.G.G.ACC..G.T.....AA..AAAA...GTC..TT.C.C.G..T....C.....T...ATT..  
 Eab-F6 AGAC..GG.A.G.G.ACC..G.T.....AA..AAAA...GTC..TT.C.C.G..T....C.....T...ATT..  
 Eab-F7 AGAC..GG.A.G.G.ACC..G.T.....AA..AAAA...GTC..TT.C.C.G..T....C.....T...ATT..  
 Eab-S1 AGAC..GG.A.G.G.ACC..G.T.....AA..AAAA...GTC..TT.C.C.G..T....C.....T...ATT..  
 Eab-S2 AGAC..GG.A..T..A...G.T.....A.GT.AAAAAA.GTC..TT.C..G..T....C.....T.G..T..C..  
 Eab-S4 AGAC..GG.A.G.G.ACC..G.T.....AA..AAAA...GTC..TT.CT..G..T....C.....T.....  
  
 521 AGACT.GG.A.G.G..CC..G.T.....AA..AAA...G.CC.TT.C..AG..T....C.....T.GC.T..  
 Eab-S3 AGACT.GG.A.G.G..CC..G.T.....AA..AAA...G.CC.TT.C..AG..TG...C.....T..A...  
 RH2815 AGAC..AG..A..TG.....TTTT.CTA.G..A.....G.....GG..GG...AAG.G.....  
 AGK AGACT.GG.A.G..ACC..GGT.....AA..AAAAA...GTC..TT.C..AG..T....C.....T.GC.....  
 AGN AGACTAGG.A.G.G..CC..G.T.....AA..AAA...G.C..TTTC..AG..T....C.....T.GC.....  
 AGP AGACT.GG.A.G.G..CC..G.T.....AA..AAA...G.CC.TT.C..AG..T....C.....T.GC.....  
 AGBO AGACT.GG.A.G...CCC.G.T.....AA..AAA...G.CC.TT.C..AG..T....C.....T.GC.....  
 AGBB AGACT.GG.A.G...CCCC..T.....AA..AAA...G.CC.TT.C..AG..T....C.....T.GC.....  
 AGJ AGAC..GG.A.G.GG.C....TTT...AA.TTA.....GTC..TT.C.C.G..T....C.....T.....  
 AGG AGAC..GG.A.G.GG.C....TTT...AA.TTA.....GTC..TT.C.C.G..T....C.....T..AT..  
 AGC AGAC..GG.A..T..A...G.T.....A.G.....CCCTTTC...GG..GGG..C..G.....A..G..  
 AGA AGAC..GG.A..T..A...G.T.....A.GT.....CC.TTTC...GG..GGG..C..G.....A..G..  
 CAG2 AGAC..GG.A..T..A...G.T.....A.GT.....CC.TTTC...GG..GGG..C..G.....A..G..  
 AGD AGAC..GG.A..T..A...G.T.....A.G.....CCCTTTC...GG..GGG..C..G.....A..G..  
 AGE AGAC..GG.A..T..A...G.T.....A.G.....CCCTTTC...GG.....CC.GCG...A..G..  
 AGI AGAC..GG.A..T..A...G.T.....A.G.....CCCT..CTC.GG..GGG..C..G.....A..G..  
 AGL AGAC..GG.A..T..A...G.T.....A.G.....CCCT..CTC.GG..GGG..C..G.....A..G..  
 AGR AG...GGCA..T.....GC.AAGT.....G.CCCTT...A..T.....TT..A..C..  
 AGS AG...GGCA..T.....GC.AAGT.....G.CCCTT...A..T.....TT..A..C..  
  
 Eab-A1 AGAC..AG..A..TG.....TTTTG.T..G.....G.....GG..GGG...AAG.G.....  
 Eab-A2 AGAC..AG..A..TG.....TTTTG.T..G.....G.....GG..GG...AAG.G.....  
 Eab-S7 AGACT.GG.A..G.ACC..GGT.....AA..AAAAA...GTC..TT.C..AG.....C.....T.GC.....  
 68AG8 AGAC..AG..A..TGG.....GG...G..AA.T.....TT...A.....TT.CA...  
 K31AG5 AGGC..AG..A..TGG.....GG.....AA.T.....TT...A.....TTG.ATTG..  
 16001AG3 AGAC..AG..A..TGG.....GG.....AA.T.....TT...A..T.....TT.ATTG..  
 TPV12MAG9 AGAC..AG..A..TGG.....G.....AA..A.....TTT...A..T.....TTG..TTGC..  
 HG1HAM6 AGGC..AG..AAGTGG.....G.....A.....C..TTT.....T.....AA..TT.C....  
 TE25AGBI AGAC..AG..A.....C..GG...G.....G.....G.....AA.....  
 1556AG7 AGAC..AG.....T.....TA.G.....G.....G..TGGG...A.G.G.....  
 HG1PF10 AGAC..AG..A..TG.....T...T..T.....T..C..T....AGG..GGGG...AAG.G.....  
 HGIIRH165 AGAC..AG..A..TG.....T...T..T.....TG...T.....GG..GGGG...AAG.G.....  
 AG22IV AGGC..AG..A.G..AC.....A..T.....G.....G.ATGGG...AA.....  
 AG22IIIB AGGC..AG..A.G..AC.....A.....TG.....G.ATGGG...A.G.....  
 1AAG1 AGAC..AG.CAA.T.....A.GT.....TG.....G..TGG...A.....  
 Tharzianum ...C..G.C.....CC..G.....C.....C.....GGA.GGG...A..C...CA...

Fig. 1(E)

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Eab-F2 AAACC.....  
 Eab-F3 AAACC.....  
 Eab-F5 AAACC.....  
 Eab-S5 AAACC.....  
 Eab-S6 AAACC.....  
 Eab-F1 AAACC.....  
 Eab-F6 AAACC.....  
 Eab-F7 AAACC.....  
 Eab-S1 AAACC.....  
 Eab-S2 AA...T.....  
 Eab-S4 .....

521 AAA..TT..CATAT.....  
 Eab-S3 AA...TT..CATAT.....  
 RH2815 AA.C.TTTA..T.T....GGA..CC.TA.CT.CT.C.....C...TTGG..A.....  
 AGK .....  
 AGN .....  
 AGP .....  
 AGBO .....  
 AGBB .....  
 AGJ .....  
 AGG .....  
 AGC .....G...TCCGT..CTGCT..A.....  
 AGA .....G...TCCGT..CTGCT..A..TA.....  
 CAG2 .....G...TCCGT..CTGCT..A..TA.....  
 AGD .....G...TCCGT..CTGCT..A..TA.....  
 AGE .....G...TCCGT..CTGCT..A..TA.....  
 AGI .....G...TCCGT..CTGCT..A..TA.....  
 AGL .....G...TCCGT..CTGCT..A.....  
 AGR ....T..ACATA.C.A.....CC.TAA.T....A..T.....GG.AA..A..T  
 AGS ....T..ACATA.C.A.....CC.TAA.T....A..T.....GG.AA..A..T

Eab-A1 AA.C.TTTA..T.T....GGA..CC.T...T.CT..A....CT.....  
 Eab-A2 AA.C.TTTA..T.T....GGA..CC.T...T.CT..A....CT.....  
 Eab-S7 .....  
 68AG8.....TTTA..T.T....GGA..CC.....  
 K31AG5.....TTT...T.T.TA.AG.AA.C...AA.T..T...G.....G...TG....  
 16001AG3.....TTT...T.T.T.T....T...T...G.T..A.ATA..TAAA..G..A.TGA..T  
 TPV12MAG9.....TTT...T.T....G.AA....A..T....A....C.AAA..GGC...AA..  
 HG1HAM6..AA...TTTA..AT.T....G...T...A.C.C.C...T.C...T.G.....  
 TE25AGBI A...TTT...T.T..AT....T...T...TG.TTCAGATAAC.AA.T.G..AATGAAGT  
 1556AG7 A..C.TTTA..T.T....GGA..C..T..CT.CT.....  
 HG1PF10 AA.C.TTTA..T.T....GGA..CC.TA.CT.CT.C.....C...TTGG.A.....  
 HGIIRH165 AA.C.TTTA..T.T....GGA..CC.T...T.CT..A....C...T.....  
 AG22IV AA.C.TTT.CAT.T.TA.....C..T...T..TT.AG.....G...TGAA.T  
 AG22IIB AA.C.TTT...TAT.T.TA.....C..T...T..T..A.A.AA....T.G..AATGA..T  
 1AAG1 ....TTTA..AT.TC.....C...A..T.C..CA..T.....TTG.C..TG...T  
 Tharzianum .....AC....C.A.A..A..C..T..CT..TT...T..C...T.G...T.A.GT

Fig. 1(F)

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Eab-F2 .....  
 Eab-F3 .....  
 Eab-F5 .....  
 Eab-S5 .....  
 Eab-S6 .....  
 Eab-F1 .....  
 Eab-F6 .....  
 Eab-F7 .....  
 Eab-S1 .....  
 Eab-S2 .....  
 Eab-S4 .....  
  
 521 .....  
 Eab-S3 .....  
 RH2815 .....CC.....T.....T.CTGTC...T.ACTTAAT.C..TATAT  
 AGK .....T.A...AAT.CCATAT..  
 AGN .....T.A...AATTC.ATAT..  
 AGP .....T.A...AATTC.ATAT..  
 AGB0 .....T.A...AATTC.ATAT..  
 AGBB .....T.A...AATTC.ATAT..  
 AGJ .....T.ACTTAAT.C.....  
 AGG .....T..C..AA..CC.....  
 AGC .....T.AC.....AT..  
 AGA .....T.A.....C...AT..  
 CAG2 .....T.A.....C...AT..  
 AGD .....T.A.....C...AT..  
 AGE .....T.A.....C...AT..  
 AGI .....T.A.....C...AT..  
 AGL .....T.A.....C...AT..  
 AGR .....C.G.CACGTG.....  
 AGS .....C.G.CACGTG.....  
  
 Eab-A1 .....CCCCC..T.....TG...A.CTTCTGTC...T.ACTTAATTC.ATAT..  
 Eab-A2 .....CCCCC..T.....TG...A.CTTCTGTC...T.ACTTAATTC.ATAT..  
 Eab-S7 .....T.A...AAT.CCATAT..  
 68AG8 .....CC.....T.C.....TG.....T.C.....T.ACT.....C.A.AT.T  
 K31AG5 .....C.T.GG.A.CCC...T.C...TG.T...CT.....AC.T.....C.A.AT..  
 16001AG3 AA.G..T.CATTG..AACCC...T.....T.....CT...GTC...T.ACT.....C.A.A..  
 TPV12MAG9 .TGAGTT.ATTGG.A.CCC...T.C...TG.T..CT.....AC.T..C..AATT...A..  
 HG1HAM6 .....T.C.T...A.C.....T.C.....AAT.C.....  
 TE25AGBI AA...T.C...GGGAACCCC...T.C...TG.T...CT.....AC.T...T.AAT.C.....T  
 1556AG7 .....CCC...T.C...T.....CT...GTC...T.ACT.....C.A.AT.T  
 HG1PF10 .....C.....T.....T.....CT...GTC...T.ACTTAAT.C...T..  
 HGIIRH165 .....CCCCC..T.....TG...A.CTTCTGTC...T.ACTTAAT.....T..  
 AG22IV ...GA.TT...GGGA.CCCC...TACCCCT.CTG...T.CT...AC.T..C..AA..C...T..  
 AG22IIB .....T.....GGGA.CCCCCCT.C...TG.....T.C..T.AC.T..C..AA..C...T..  
 1AAG1 .....C.....TAC...T..T.AA.TT...T.AC...AC.....  
 Tharzianum .....CCCC..T.C...GC.G.....G..ACGT...T.A.TT...T..

Fig. 1(G)

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Eab-F2 ...ACAC.A.AA.C.CCC.A.T.T.GTAT.TT....AAA.T....T.G.AATGT.AA..TT.G.ATGT  
 Eab-F3 ...ACAC.A.AA.C.CCC.A.T.T.GTAT.TT....AAA.T....T.G.AATGT.AA..TT.G.ATGT  
 Eab-F5 ...ACAC.A.AA.C.CCC.A.T.T.GTAT.TT....AAA.T....T.G.AATGT.AA..TT.G.ATGT  
 Eab-S5 ...ACAC.A.AA.C.CCC.A.T.T.GTAT.TT....AAA.T....T.G.AATGT.AA..TT.G.ATGT  
 Eab-S6 ...ACAC.A.AA.C.CCC.A.T..CGTAT.TT....AA..GT....T.G.AATGT.AA..TT.G.ATGT  
 Eab-F1 ...ACAC.A.AA.C.CCC.A.T.T.GTAT.TT....AAA.T....T.G.AATGT.AA..TT.G.ATGT  
 Eab-F6 ...ACAC.A.AA.C.CCC.A.T.T.GTAT.TT....AAA.T....T.G.AATGT.AA..TT.G.ATGT  
 Eab-F7 ...ACAC.A.AA.C.CCC.A.T.T.GTAT.TT....AAA.T....T.G.AATGT.AA..TT.G.ATGT  
 Eab-S1 ...ACAC.A.AA.C.CCC.A.T.T.GTAT.TT....AAA.T....T.G.AATGT.AA..TT.G.ATGT  
 Eab-S2 ...ACA.TA..AA.CT.CC..AAT.TT..A.A.T....AAA.T....CT.G.AATGT.AA..TT.G.ATGT  
 Eab-S4 ...ACA.TA..AA.CT.CC..AAT.TT..A.A.T....AAA.T....CT.G.AATGT.AA..TT.G.ATGT  
  
 521 ...ACA..A..A..CT.C...A.T.TT..A.A.TT...G.AA.....CT.G.AATGT.A..CTT.G.ATGT  
 Eab-S3 ...ACA..A..A..CT.C...A.T.TT..A.ACT....GCA.....CT.G.AATGT.A..CTT.G.ATGT  
 RH2815 ...A...A..A..CT.C...AAT.TT..AT..TTT....AAAA.T.....G.AATGT.AA..T..GGATGT  
 AGK ...ACA..A..A..C..CC..A.T.TT..A.A.TT...G.AA.....CT.G.AATGT.AA..TT.G.ATGT  
 AGN ...ACA..A..A..CT.C...A.T.TT..A.A.TT...G.AA.....CT.G.AATGT.A..CTT.G.ATGT  
 AGP ...ACA..A..A..CT.C...A.T.TT..A.A.TT...G.AA.....CT.G.AATGT.A..CTT.G.ATGT  
 AGBO ...ACA..A..A..CT.C...A.T.TT..A.A.TT...G.AA.....CT.G.AATGT.A..CTT.G.ATGT  
 AGBB ...ACA..A..A..CT.C...A.T.TT..A.A.TT...G.AA.....CT.G.AATGT.A..CTT.G.ATGT  
 AGJ ...ACAC.A.AA.CT.C...A.T.TT..A.A.TT....AAA.....T.T.G.AATGT.AA..TT.G.ATGT  
 AGG ...ACAC.A.AA.CT.C...A.T.T..GTAT..TT....AAA.....CT.G.AATGT.AA..TT.G.ATGT  
 AGC .....A..AA.CT.CC..AATAT...ATA.....AA.....T.TTG.AATGT.AA..TTTG.ATGT  
 AGA .....A..AA.CT.CC..AATAT...ATA.....AA.....T..GGAATGT.AA..TTTG.ATGT  
 CAG2 .....A..AA.CT.CC..AATAT...ATA.....AA.....T..GGAATGT.AA..TTTG.ATGT  
 AGD .....A..AA.CT.CC..AATAT...ATA.....AA.....T.TTG.AATGT.AA..TTTG.ATGT  
 AGE ...A...TA.....CT.CC..AATAT...ATA.....AA.....T.TTG.AATGT.AA..TTTG.ATGT  
 AGI .....A..AA.CT.CC..A.....GTATA.T.....AAA.....T.TTG.AATGTCA..TTTG.ATGT  
 AGL .....A..AA.CT.CC..A.....GTATA.T.....AAA.....T.TTG.AATGTCA..TTTG.ATGT  
 AGR ...AC..T.....TGC..G....T.CG....T.....A...TGG...C.....G.....CTT...A...  
 AGS ...AC..T.....TGC..G....T.CG....T.....A...TGG...C.....G.....CTT...A...  
  
 Eab-A1 ...A...A..A..CT.C...AAT.TT..AT..TTT....AAAA.....C..GGA.TGT.AA..T..GGATGT  
 Eab-A2 ...A...A..A..CT.C...AAT.TT..AT..TTT....AAAA.....C..GGA.TGT.AA..T..GGATGT  
 Eab-S7 ...ACA..A..A..C..CC..A.T.TT..A.A.TT...G.AA.....CT.G.AATGT.AA..TT.G.ATGT  
 68AG8 ...CA.TA.TAACT.C...AAT.T...TA...TTT....AAAAATG.AA..T.G...T...AA..T..G.ATGT  
 K31AG5 ...A...TA.TAACT.C...AAT.T...TA...TTT..AG.AAA.....T.G.AATGT.AA..T..GGATGT  
 16001AG3 CT..CA.TA.TAACT.C...AAT.T...TA...TTTT....AAAA.....T.G.AATGT.AA..T..GGATGT  
 TPV12MAG9 ...ACA.TA..AA.CT.C...AAT.T...TA...TTTT....AAAA.TG.AA..T.G...T...AA..T..GGATGT  
 HG1HAM6 ...ACAC...AAAC..CC..AAT.T...TA...TTTT....AAAA.....T.G.AATGT.AA..CT..GGATGT  
 TE25AGBI ...CA.TA.TAACT.C...AAT.T...TA...TTT....AAAAATG.AA..T.G...T...AA..T..GGATGT  
 1556AG7 .TTTACAC...AACT.C...AAT.T...TA..CTTT....AAAA.TG.AA..T.G...T..CA..TT.G.ATGT  
 HG1PF10 ...A...TA.TAACT.C...AAT.T...TA...TTTT....AAAA.TG.AA..T.G...T...AA..T..GGATGT  
 HGIIRH165 ...CA.TA.TAACT.C...AAT.T...TA...TTTT....AAAA.....C..GGA.TGT.AA..T..GGATGT  
 AG22IV CT..A.A.TAC.AAA...CCC.AAT.T...TA...TTTT....AAAA.TG.AA..T.G...T...AA..T..GGATGT  
 AG22IIB CT..A.A.TA.TAAA...CCC.AAT.T...TA...TTTT....AAAA.....T.G.AATGT.AA..T..GGATGT  
 1AAG1 ...ACACT.CTA.....C.....T...TA.A.TTT....AAA.....CT.G.AATGT.AA..TT.G.ATGT  
 Tharzianum CTT.ACA.....GC.....T...C.T.....GAGCAAAAA.....TT.....C.....

Fig. 1(H)

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Eab-F2	AACG..CAT.C.A.TTA.GG.AACT	end of ITS1	AAG.TTTCACAACGGATCTCTTGGCTCTCGC
Eab-F3	AACG..CAT.C.A.TTA.G..AACT	end of ITS1	AAG.TTTCACAACGGATCTCTTGGCTCTCGC
Eab-F5	AACG..CAT.C.A.TTA.G..AACT	end of ITS1	AAG.TTTCACAACGGATCTCTTGGCTCTCGC
Eab-S5	AACG..CAT.C.A.TTA.G..AACT	end of ITS1	AAG.TTTCACAACGGATCTCTTGGCTCTCGC
Eab-S6	AACG..CAT.C.A.TTA.G..AACT	end of ITS1	AAG.TTTCACAACGGATCTCTTGGCTCTCGC
Eab-F1	AACG..CAT.C.A.TTAA...AACT	end of ITS1	AAG.TTTCACAACGGATCTCTTGGCTCTCGC
Eab-F6	AACG..CAT.C.A.TTA.G..AACT	end of ITS1	AAG.TTTCACAACGGATCTCTTGGCTCTCGC
Eab-F7	AACG..CAT.C.A.TTA.G..AACT	end of ITS1	AAG.TTTCACAACGGATCTCTTGGCTCTCGC
Eab-S1	AACG..CAT.C.A.TTA.G..AACT	end of ITS1	AAG.TTTCACAACGGATCTCTTGGCTCTCGC
Eab-S2	AAC..ACAT.CT..TTA...AACT.	end of ITS1	AAG.TTTCACAACGGATCTCTTGGCTCTCGC
Eab-S4	AAC..ACAT.CT..TTA...AACT.	end of ITS1	AAG.TTTCACAACGGATCTCTTGGCTCTCGC

521	AACG..CAT.C.A.TTAA...A.CT	[end of ITS1]	AAG.TTTCACAACGGATCTCTTGGCTCTCGC
Eab-S3	AACG..CAT.C.A.TTA...CA.CT	[end of ITS1]	AAG.TTTCACAACGGATCTCTTGGCTCTCGC
RH2815	AAC..ACAT.CTAAT.A.....CT	[end of ITS1]	AAG.TTTCACAACGGATCTCTTGGCTCTCGC
AGK	AACG..CAT.CT..TTAA...A.CT	[end of ITS1]	AAG.TTTCACAACGGATCTCTTGGCTCTCGC
AGN	AACG..CAT.C.A.TTAA...A.CT	[end of ITS1]	AAG.TTTCACAACGGATCTCTTGGCTCTCGC
AGP	AACG..CAT.C.A.TTAA...A.CT	[end of ITS1]	AAG.TTTCACAACGGATCTCTTGGCTCTCGC
AGBO	AACG..CAT.C.A.TTAA...A.CT	[end of ITS1]	AAG.TTTCACAACGGATCTCTTGGCTCTCGC
AGBB	AACG..CAT.C.A.TTAA...A.CT	[end of ITS1]	AAG.TTTCACAACGGATCTCTTGGCTCTCGC
AGJ	AACG..CAT.C.A.TTA.G..AACT	[end of ITS1]	AAG.TTTCACAACGGATCTCTTGGCTCTCGC
AGG	AACG..CAT.C.A.TTA.G..AACT	[end of ITS1]	AAG.TTTCACAACGGATCTCTTGGCTCTCGC
AGC	AACG..CAT.CT..TTAA...A.CT	[end of ITS1]	AAG.TTTCACAACGGATCTCTTGGCTCTCGC
AGA	AACGG..AT.CT..TTAA...A.CT	[end of ITS1]	AAG.TTTCACAACGGATCTCTTGGCTCTCGC
CAG2	AACGG..AT.CT..TTAA...A.CT	[end of ITS1]	AAG.TTTCACAACGGATCTCTTGGCTCTCGC
AGD	AACG..CAT.CT..TTAA...A.CT	[end of ITS1]	AAG.TTTCACAACGGATCTCTTGGCTCTCGC
AGE	AACG..CAT.CT..TTAA...A.CT	[end of ITS1]	AAG.TTTCACAACGGATCTCTTGGCTCTGC
AGI	AAC..ACAT.CTA.T.AA...A.CT	[end of ITS1]	AAG.TTTCACAACGGATCTCTTGGCTCTCGC
AGL	AAC..ACAT.CTA.T.AA...A.CT	[end of ITS1]	AAG.TTTCACAACGGATCTCTTGGCTCTCGC
AGR	A...A.A..CTAA..AA...A.C.	[end of ITS1]	AAG.TTTCACAACGGATCTCTTGGCTCTCGC
AGS	AA...AC.T...AA..AA...A.C.	[end of ITS1]	AAG.TTTCACAACGGATCTCTTGGCTCTCGC

Eab-A1	AAC..ACAT.CTAAT.A.....CT	[end of ITS1]	AAG.TTGCAACAACGGATCTCTTGGCTCTCGC
Eab-A2	AAC..ACAT.CTAAT.A.....CT	[end of ITS1]	AAG.TTTCACAACGGATCTCTTGGCTCTCGC
Eab-S7	AACG..CAT.CT..TTAA...A.CT	[end of ITS1]	AAG.TTTCACAACGGATCTCTTGGCTCTCGC
68AG8	AAC..ACAT.CTAAT.A.....CT	[end of ITS1]	AAG.TTTCACAACGGATCTCTTGGCTCTCGC
K31AG5	AACG..CAT.CTAAT.A.....CT	[end of ITS1]	AAG.TTTCACAACGGATCTCTTGGCTCTCGC
16001AG3	AACG..CAT.CTAAT.A.....CT	[end of ITS1]	AAG.TTTCACAACGGATCTCTTGGCTCTCGC
TPV12MAG9	AAC..ACAT.CTAAT.A.....CT	[end of ITS1]	AAG.TTTCACAACGGATCTCTTGGCTCTCGC
HG1HAM6	AACG..CAT.CTAAT.A.....CT	[end of ITS1]	AAG.TTTCACAACGGATCTCTTGGCTCTCGC
TE25AGBI	AAC..ACAT.CTAAT.A.....CT	[end of ITS1]	AAG.TTTCACAACGGATCTCTTGGCTCTCGC
1556AG7	AACG..CAT.CTAAT.A.....CT	[end of ITS1]	AAG.TTTCACAACGGATCTCTTGGCTCTCGC
HG1PF10	AAC..ACAT.CTAAT.A.....CT	[end of ITS1]	AAG.TTTCACAACGGATCTCTTGGCTCTCGC
HG1IRH165	AAC..ACAT.CTAAT.A.....CT	[end of ITS1]	AAG.TTTCACAACGGATCTCTTGGCTCTCGC
AG22IV	AACG..CAT.CTAAT.A.....CT	[end of ITS1]	AAG.TTTCACAACGGATCTCTTGGCTCTCGC
AG22IIB	AACG..CAT.CTAAT.A.....CT	[end of ITS1]	AAG.TTTCACAACGGATCTCTTGGCTCTCGC
1AAG1	AACG..CAT.CTAAT.A.....CT	[end of ITS1]	AAG.TTTCACAACGGATCTCTTGGCTCTCGC
Tharzianum	AA...A.ATG..AAT.....CAA..	[end of ITS1]	AA.CTTTCACAACGGATCTCTTGGTTCTGGC

Fig. 1(I)

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F2 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
F3 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
F5 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
S5 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
S6 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
F1 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
F6 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
F7 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
S1 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
S21 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
S3 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
S7 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
S2 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
S4 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
A2 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
A1 ATCGATGAAA AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
RH2815 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
AGK ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
AGN ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
AGP ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
AGBO ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
AGBB ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
AGJ ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
AGG ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
AGC ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
AGA ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
CAG2 ATCGATGAAG AACGCAGCGA AACCCGATAA GTAATGTGAA TTGCAGAATT  
AGD ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
AGE ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
AGI ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
AGL ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
AGR ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
AGS ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
68AG8 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
K31AG5 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
16001AG3 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
TPV12MAG9 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
HG1HAM6 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
TE25AGBI ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
1556AG7 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
HG1PF10 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
HGIIRH165 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
AG22IV ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
AG22IIB ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
1AAG1 ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT  
THARZIANU ATCGATGAAG AACGCAGCGA AATGCGATAA GTAATGTGAA TTGCAGAATT

Fig. 1(J)

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F2 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT  
F3 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT  
F5 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT  
S5 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT  
S6 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT  
F1 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT  
F6 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT  
F7 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT  
S1 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT  
521 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT  
S3 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT  
S7 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT  
S2 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT  
S4 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT  
A2 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT  
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AGP CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT  
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CAG2 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT  
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AGR CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT  
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68AG8 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT  
K31AG5 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT  
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HG1HAM6 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT  
TE25AGBI CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT  
1556AG7 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT  
HG1PF10 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT  
HGIIRH165 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT  
AG22IV CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT  
AG22IIB CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT  
1AAG1 CAGTGAATCA TCGAATCTTT GAACGCACCT TGCCTCC.TT ...GGTATTCCTT..  
THARZIANU CAGTGAATCA TCGAATCTTT GAACGCACAT TGCCTCC.TT ...GGTATTCCTT..

Fig. 1(K)

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F2 GGAGCATGCC TGT TT..GAG..TA TCAT  
 F3 GGAGCATGCC TGT TT..GAG..TA TCAT  
 F5 GGAGCATGCC TGT TT..GAG..TA TCAT  
 S5 GGAGCATGCC TGT TT..GAG..TA TCAT  
 S6 GGAGCATGCC TGT TT..GAG..TA TCAT  
 F1 GGAGCATGCC TGT TT..GAG..TA TCAT  
 F6 GGAGCATGCC TGT TT..GAG..TA TCAT  
 F7 GGAGCATGCC TGT TT..GAG..TA TCAT  
 S1 GGAGCATGCC TGT TT..GAG..TA TCAT  
 521 GGAGCATGCC TGT TT..GAG..TA TCAT  
 S3 GGAGCATGCC TGT TT..GAG..TA TCAT  
 S7 GGAGCATGCC TGT TT..GAG..TA TCAT  
 S2 GGAGCATGCC TGT TT..GAG..TA TCAT  
 S4 GGAGCATGCC TGT TT..GAG..TA TCAT  
 A2 GGAGCATGCC TGT TT..GAG..TA TCAT  
 A1 GGAGCATGCC TGT TT..GAG..TA TCAT  
 RH2815 GGAGCATGCC TGT TT..GAG..TA TCAT  
 AGK GGAGCATGCC TGT TT..GAG..TA TCAT  
 AGN GGAGCATGCC TGT TT..GAG..TA TCAT  
 AGP GGAGCATGCC TGT TT..GAG..TA TCAT  
 AGBO GGAGCATGCC TGT TT..GAG..TA TCAT  
 AGBB GGAGCATGCC TGT TT..GAG..TA TCAT  
 AGJ GGAGCATGCC TGT TT..GAG..TA TCAT  
 AGG GGAGCATGCC TGT TT..GAG..TA TCAT  
 AGC GGAGCATGCC TGT TT..GAG..TA TCAT  
 AGA GGAGCATGCC TGT TT..GAG..TA TCAT  
 CAG2 GGAGCATGCC TGT TT..GAG..TA TCAT  
 AGD GGAGCATGCC TGT TT..GAG..TA TCAT  
 AGE GGAGCATGCC TGT TT..GAG..TA TCAT  
 AGI GGAGCATGCC TGT TT..GAG..TA TCAT  
 AGL GGAGCATGCC TGT TT..GAG..TA TCAT  
 AGR GGAGCAGGCC TGT TT..GAG..TA TCAT  
 AGS GGAGCAGGCC TGT TT..GAG..TA TCAT  
 68AG8 GGAGCATGCC TGT TT..GAG..TA TCAT  
 K31AG5 GGAGCATGCC TGT TT..GAG..TA TCAT  
 16001AG3 GGAGCATGCC TGT TT..GAG..TA TCAT  
 TPV12MAG9 GGAGCATGCC TGT TT..GAG..TA TCAT  
 HG1HAM6 GGAGCATGCC TGT TT..GAG..TA TCAT  
 TE25AGBI GGAGCATGCC TGT TT..GAG..TA TCAT  
 1556AG7 GGAGCATGCC TGT TT..GAG..TA TCAT  
 HG1PF10 GGAGCATGCC TGT TT..GAG..TA TCAT  
 HGIIRH165 GGAGCATGCC TGT TT..GAG..TA TCAT  
 AG22IV GGAGCATGCC TGT TT..GAG..TA TCAT  
 AG22IIB GGAGCATGCC TGT TT..GAG..TA TCAT  
 1AAG1 GGAGCATGCC TGT TT..GAG..TA TCAT  
 Tharzianum CGGGCATGCC TGT..CCGAGCG.. TCAT

Fig. 1(L)

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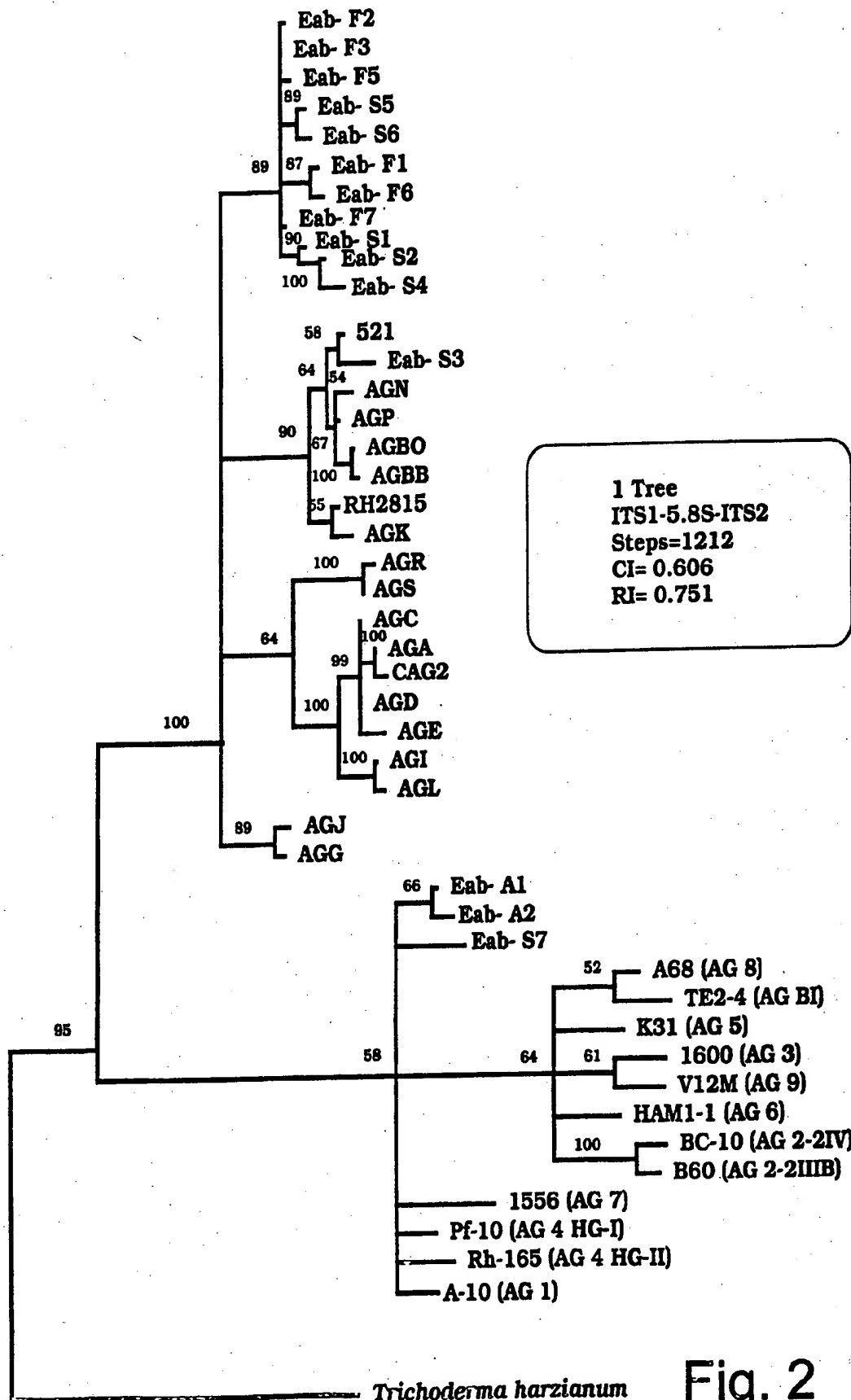
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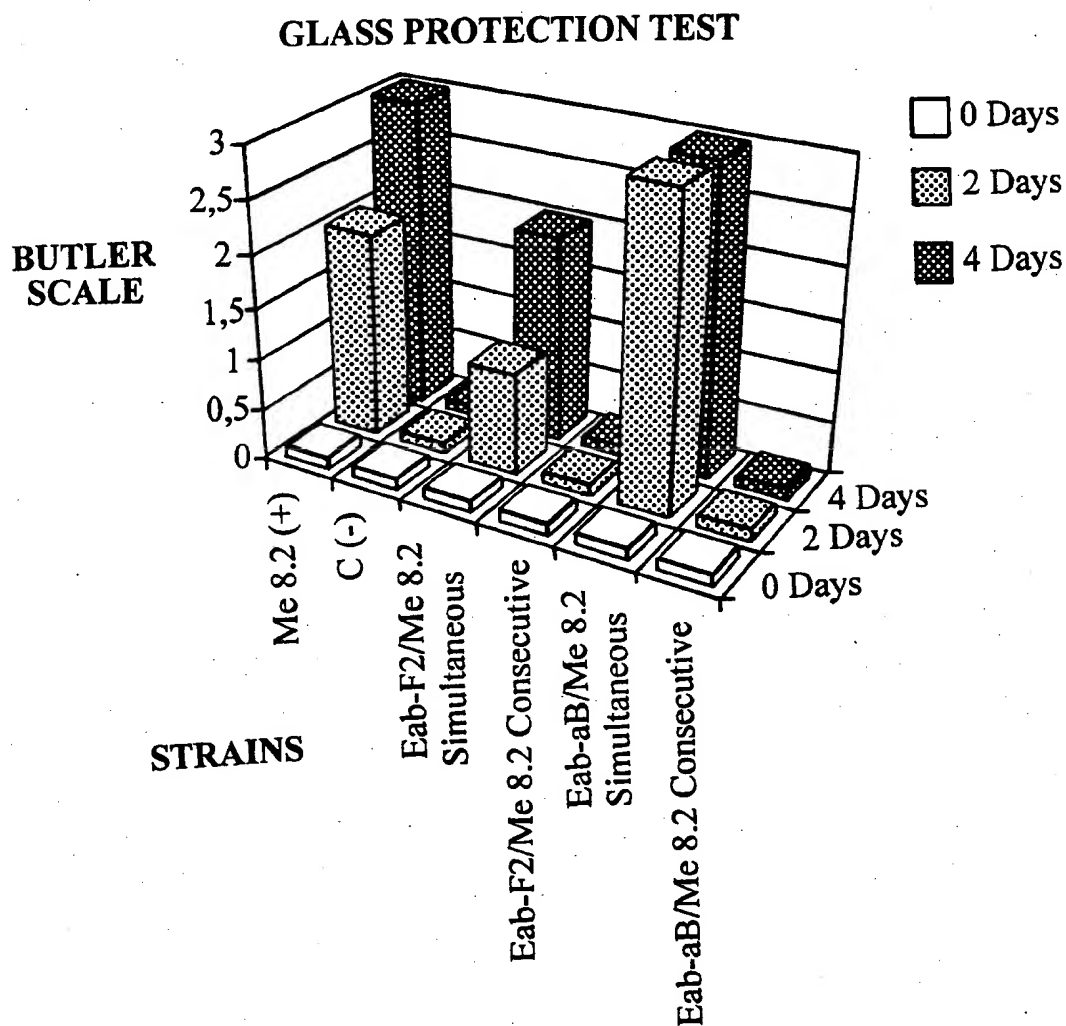


Fig. 3

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# TOMATO PROTECTION TEST

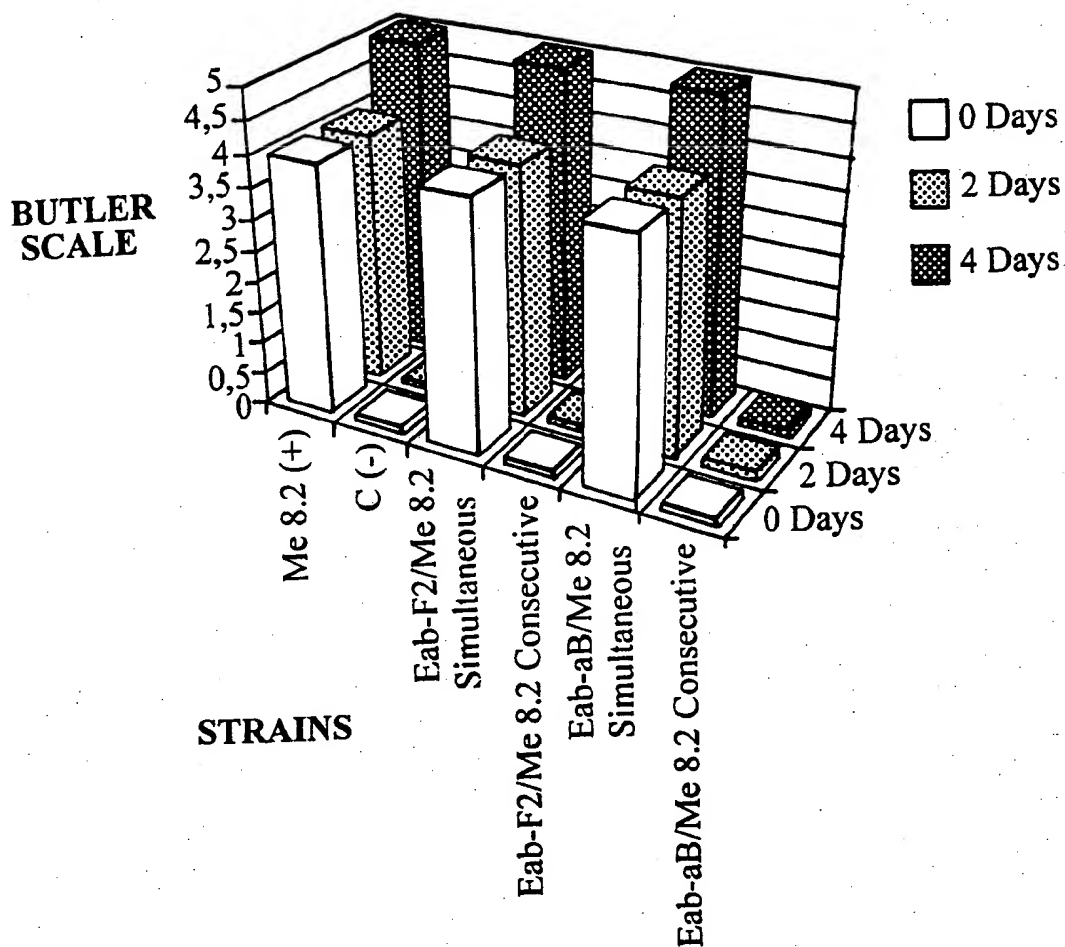


Fig. 4

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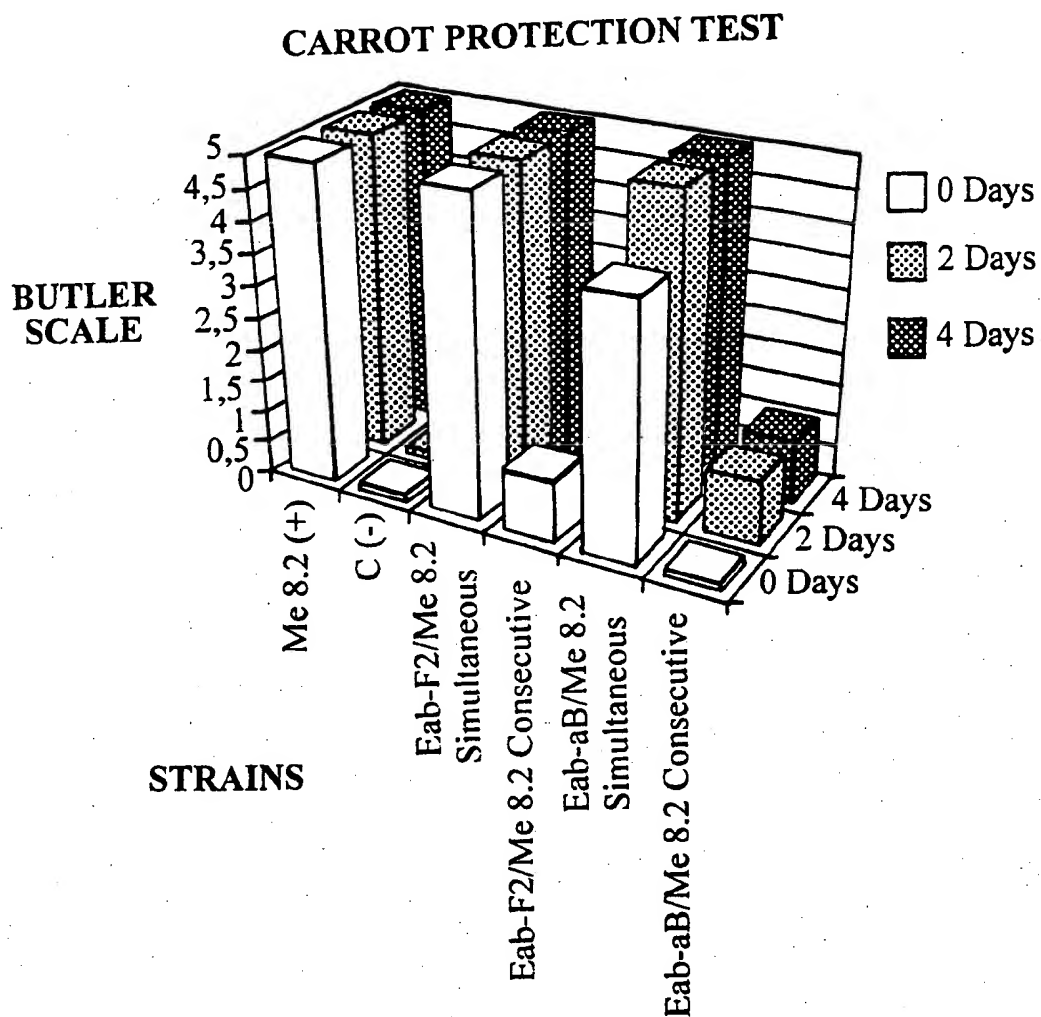


Fig. 5

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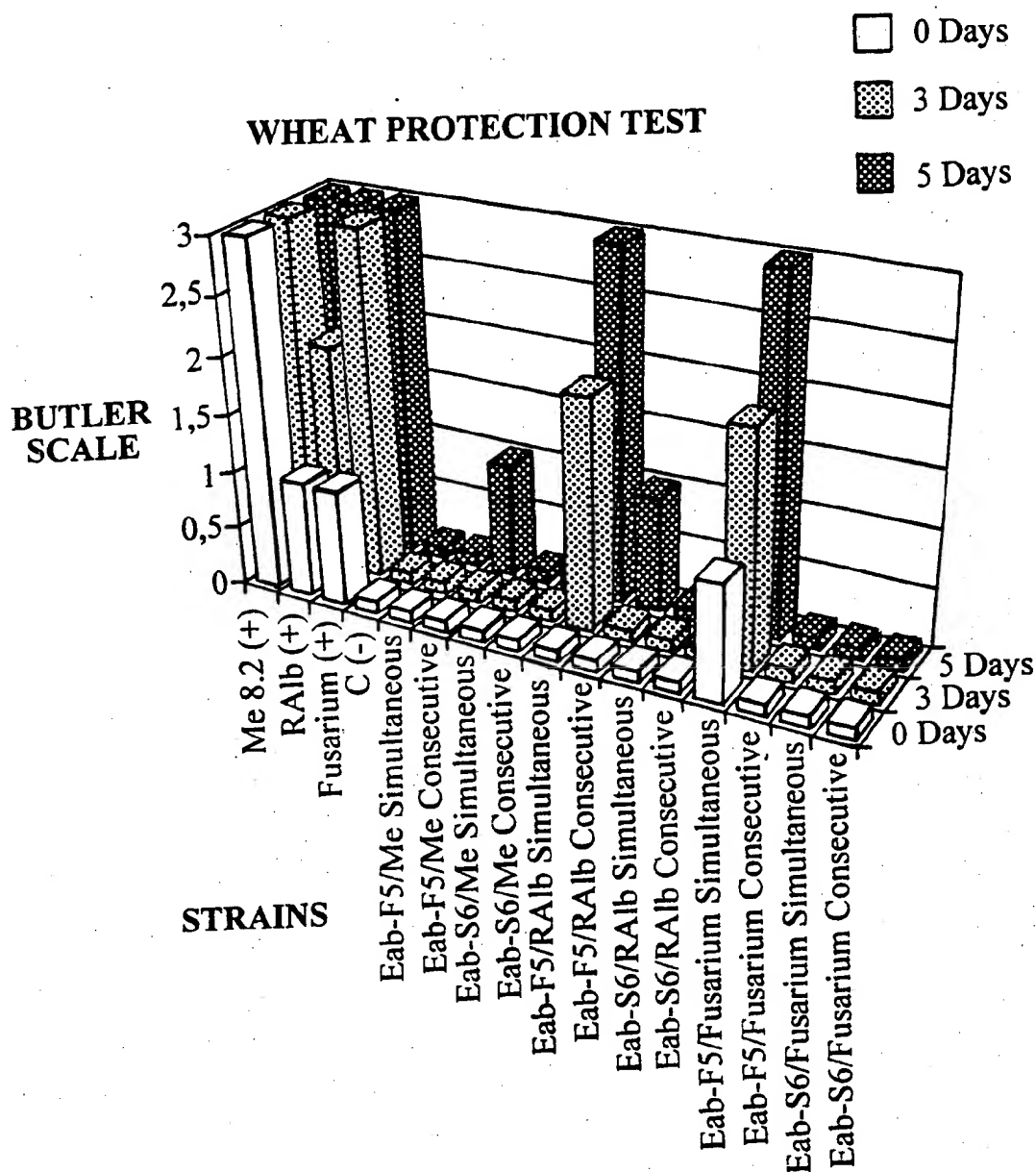


Fig. 6

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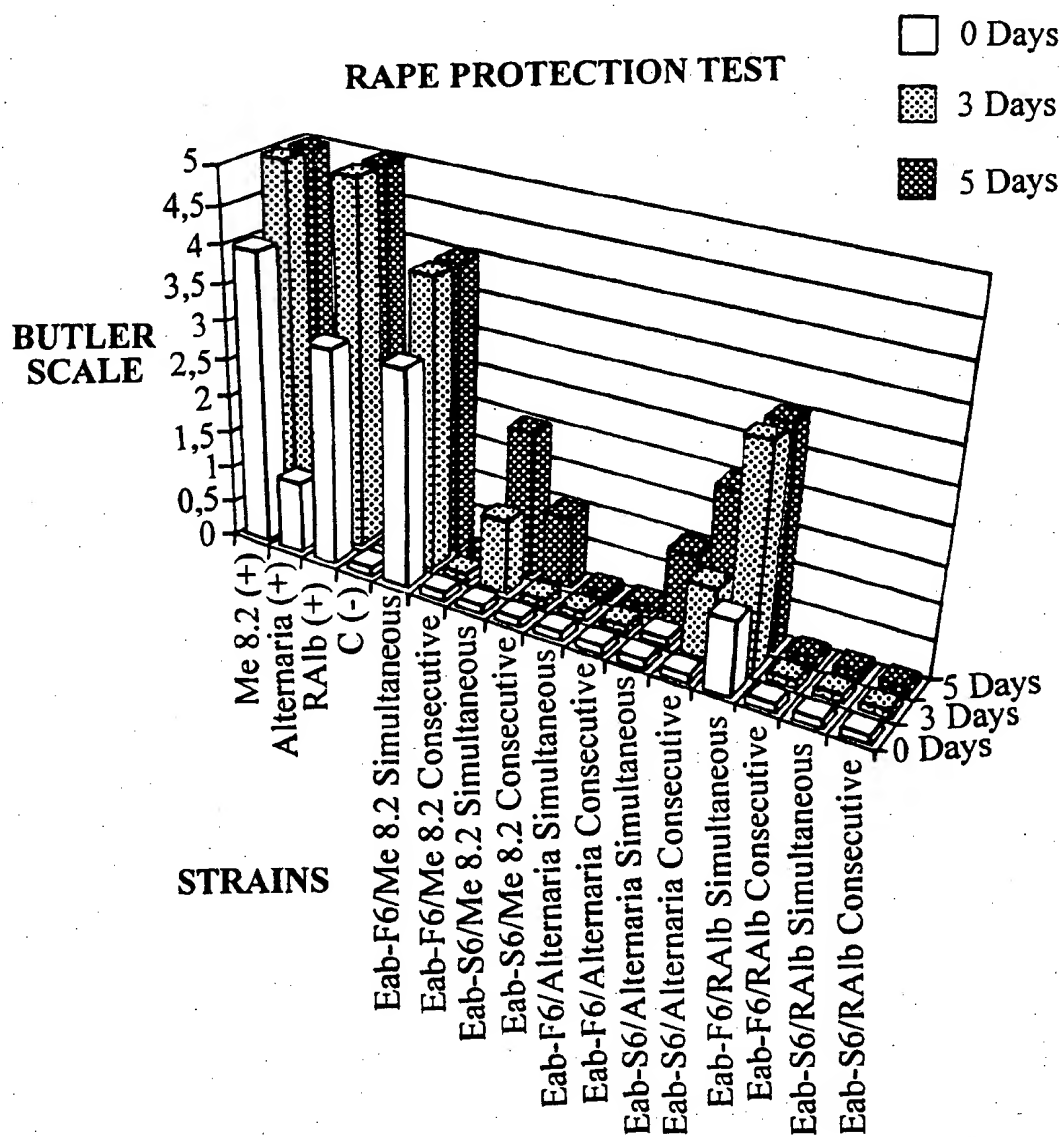


Fig. 7

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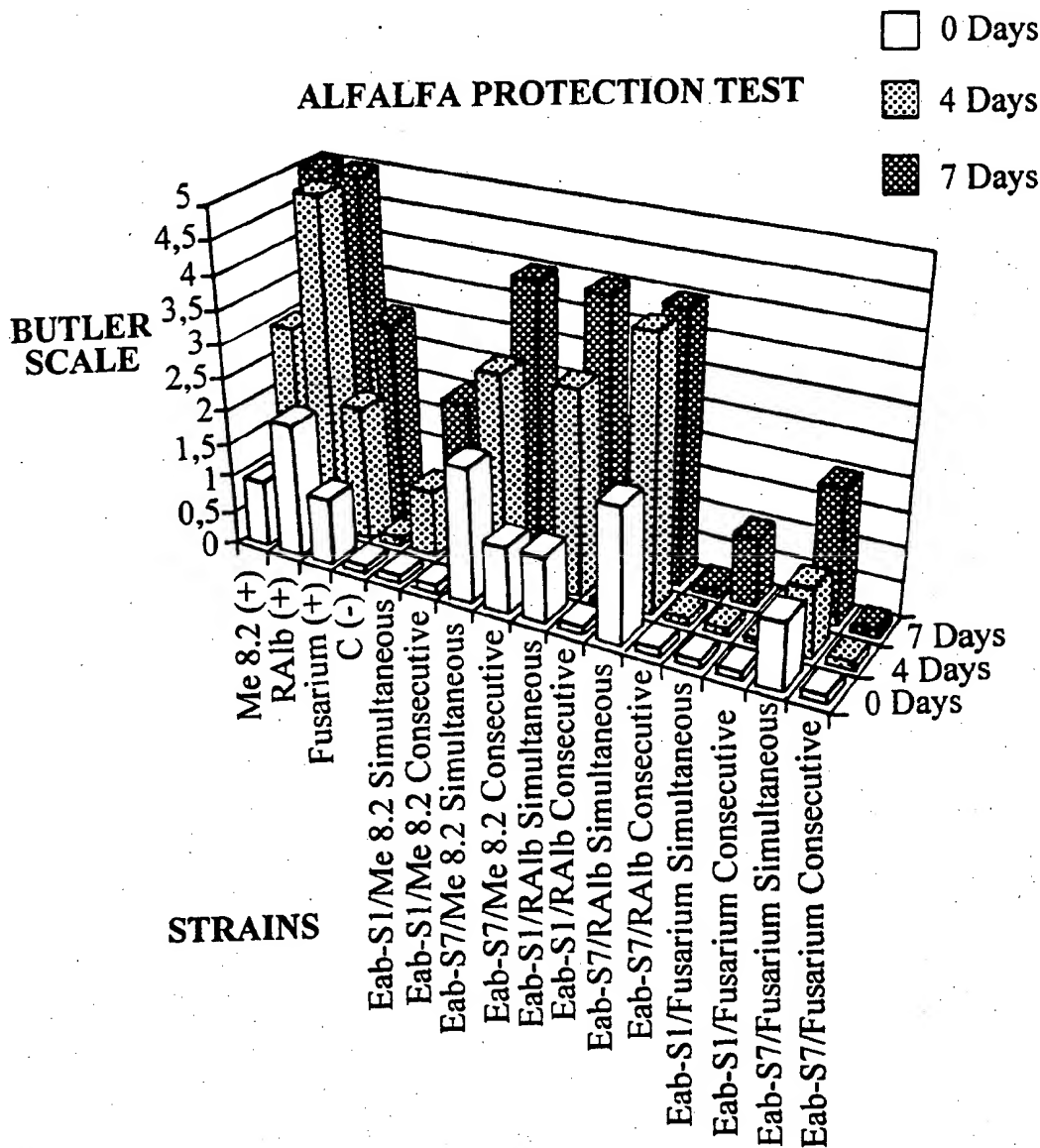


Fig. 8

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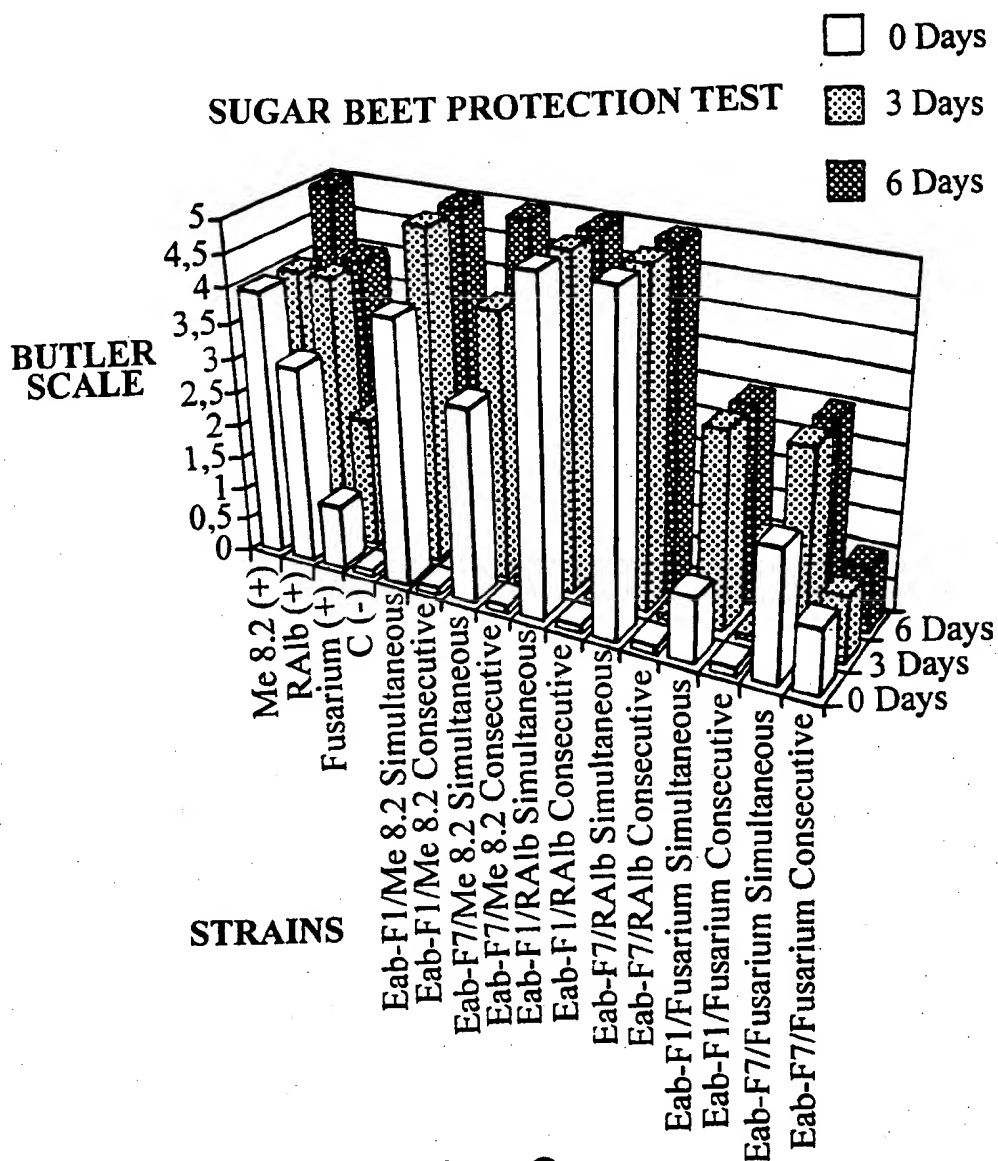


Fig. 9



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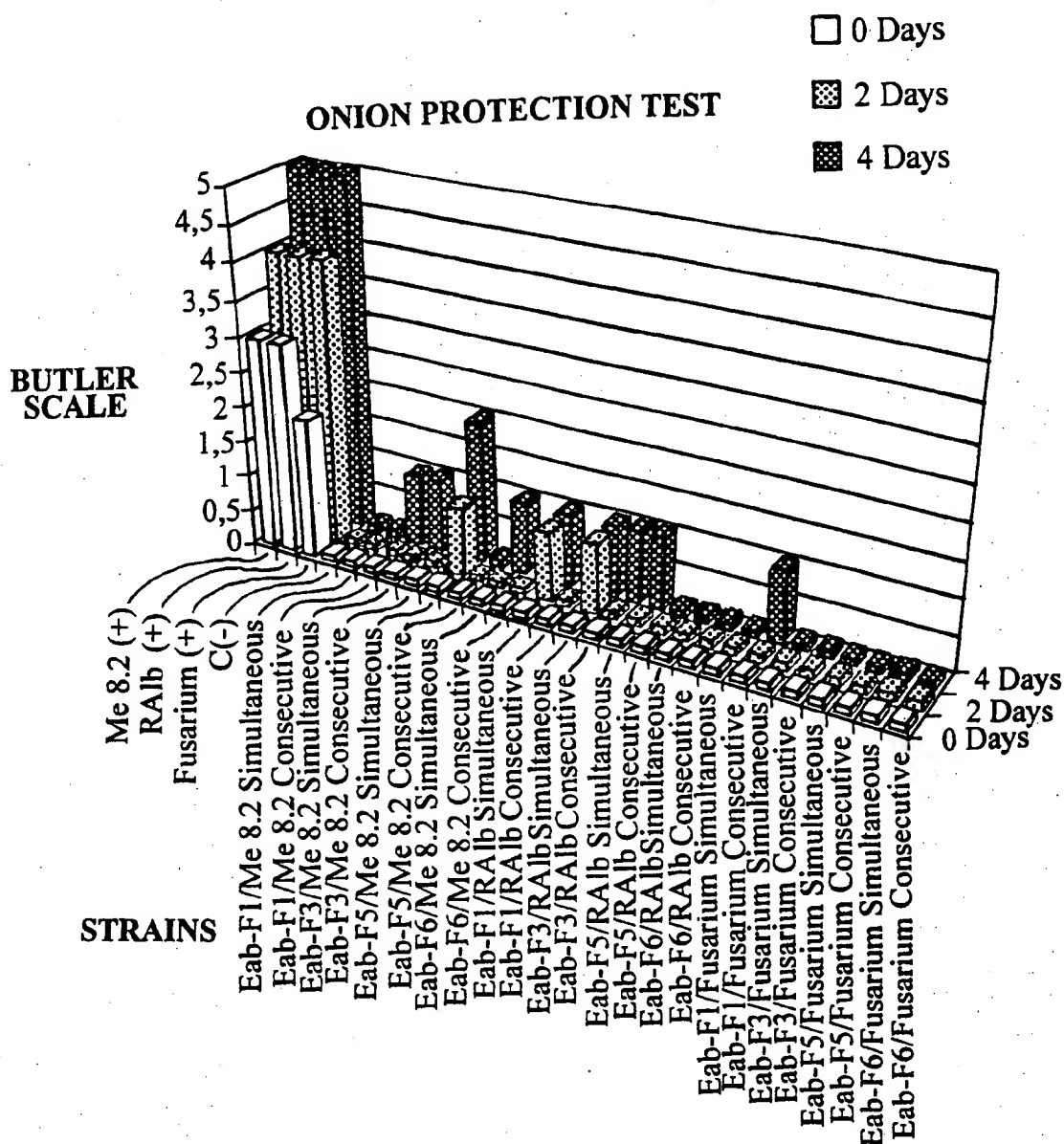


Fig. 10

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	0 Days	3 Days	5Days
Me 8.2 (+)	3	3	3
RAIb (+)	1	2	3
Fusarium (+)	1	3	3
C (-)	0,1	0,1	0,1
Eab-F5/Me 8.2	0,1	0,1	1
Eab-F5/Me 8.2	0,1	0,1	0,1
Eab-S6/Me 8.2	0,1	0,1	0,1
Eab-S6/Me 8.2	0,1	0,1	0,1
Eab-F5/RAIb Si	0,1	2	3
Eab-F5/RAIb C	0,1	0,1	1
Eab-S6/RAIb Si	0,1	0,1	0,1
Eab-S6/RAIb C	0,1	0,1	0,1
Eab-F5/Fusari	1	2	3
Eab-F5/Fusari	0,1	0,1	0,1
Eab-S6/Fusariu	0,1	0,1	0,1
Eab-S6/Fusariu	0,1	0,1	0,1

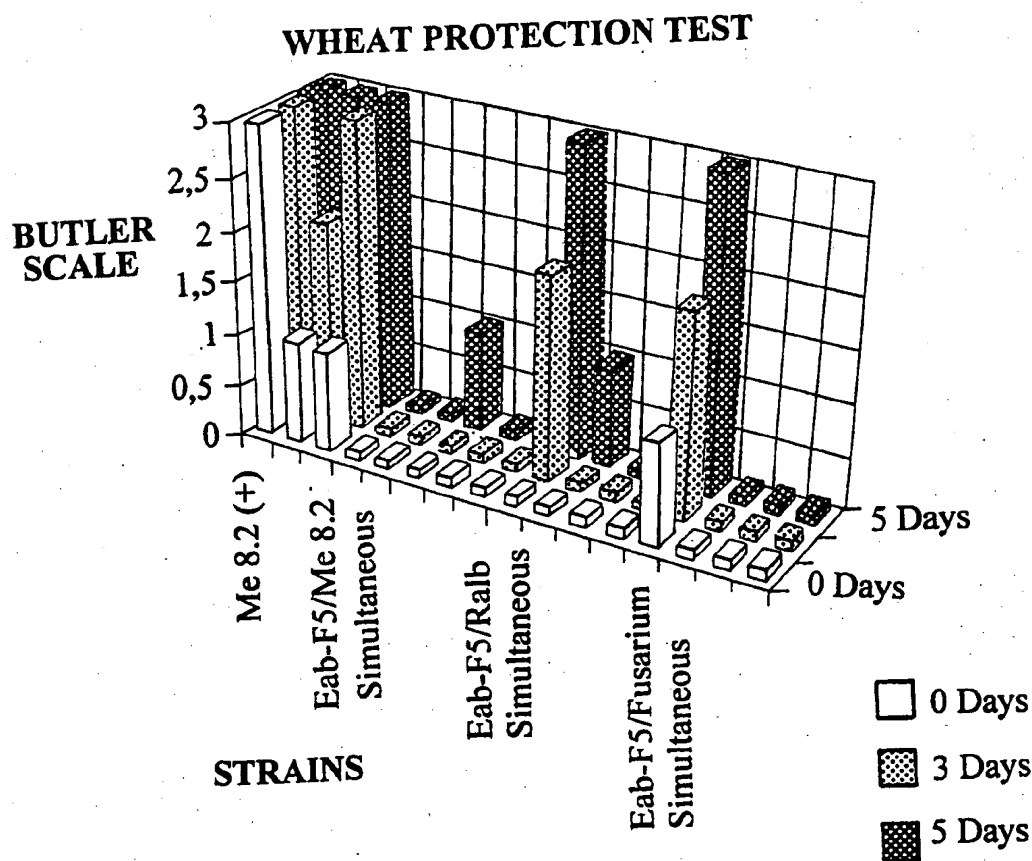


Fig. 11

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	0 days	4 days	7 days
Me 8.2 (+)	1	3	5
Ralb (+)	2	5	5
Fusarium (+)	1	2	3
C(-)	0,1	0,1	0,1
Eab-S1/Me 8	0,1	1	2
Eab-S1/Me 8	0,1	0,1	0,1
Eab-S7/Me 8	2	3	4
Eab-S7/Me 8	1	1	1
Eab-S1/Ralb	1	3	4
Eab-S1/Ralb	0,1	0	0,1
Eab-S7/Ralb	2	4	4
Eab-S7/Ralb	0,1	0,1	0,1
Eab-S1/Fusa	0,1	0,1	1
Eab-S1/Fusa	0,1	0,1	0,1
Eab-S7/Fusa	1	1	2
Eab-S7/Fusa	0,1	0,1	0,1

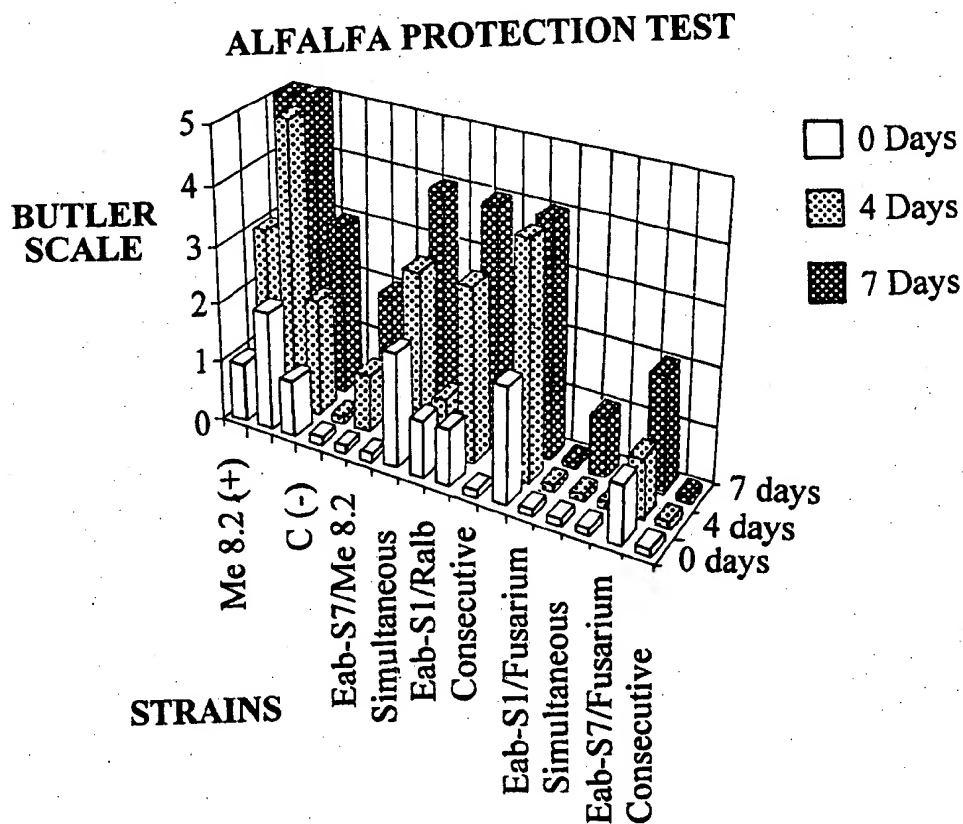


Fig. 12

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	0 Days	3 Days	6 Days
Me 8.2 (+)	4	4	5
RAIb (+)	3	4	4
Fusarium (+)	1	2	3
C (-)	0,1	0,1	0,1
Eab-F1/Me 8.2	4	5	5
Eab-F1/Me 8.2	0,1	1	1
Eab-F7/Me 8.2	3	4	5
Eab-F7/Me 8.2	0,1	0,1	0,1
Eab-F1/RAIb Si	5	5	5
Eab-F1/RAIb C	0,1	0,1	0,1
Eab-F7/RAIb Si	5	5	5
Eab-F7/RAIb C	0,1	0,1	0,1
Eab-F1/Fusari	1	3	3
Eab-F1/Fusari	0,1	0,1	0,1
Eab-F7/Fusari	2	3	3
Eab-F7/Fusari	1	1	1

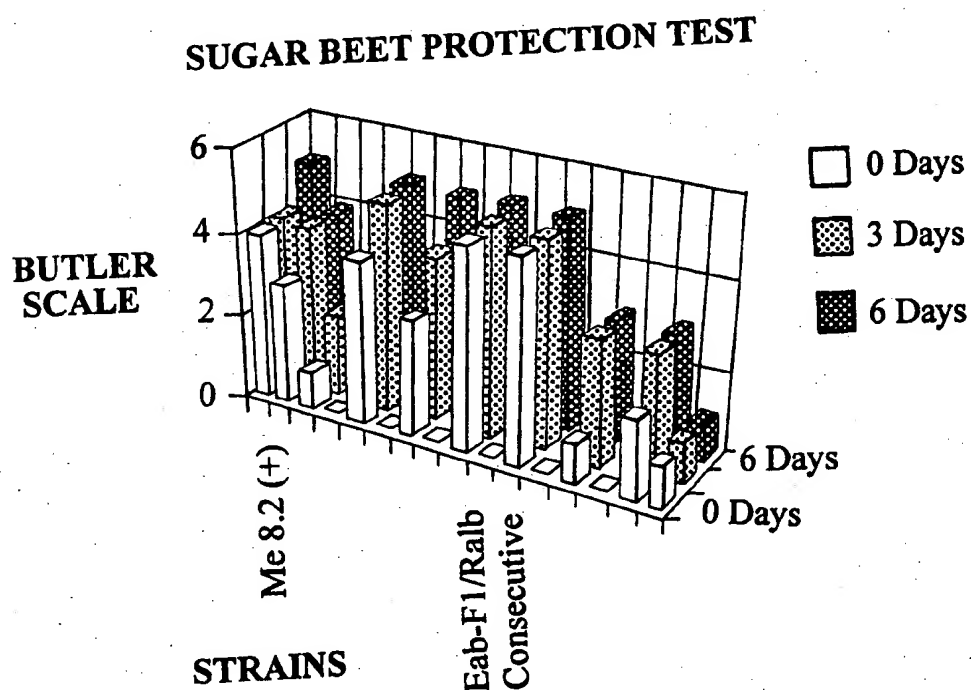


Fig. 13

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## PROTECTION TEST 1

Negative control without fungus (C-), positive control with pathogenic strain Me 8.2, and two protective binucleate strains, F2 and  $\alpha$ B, on tomato seedlings.

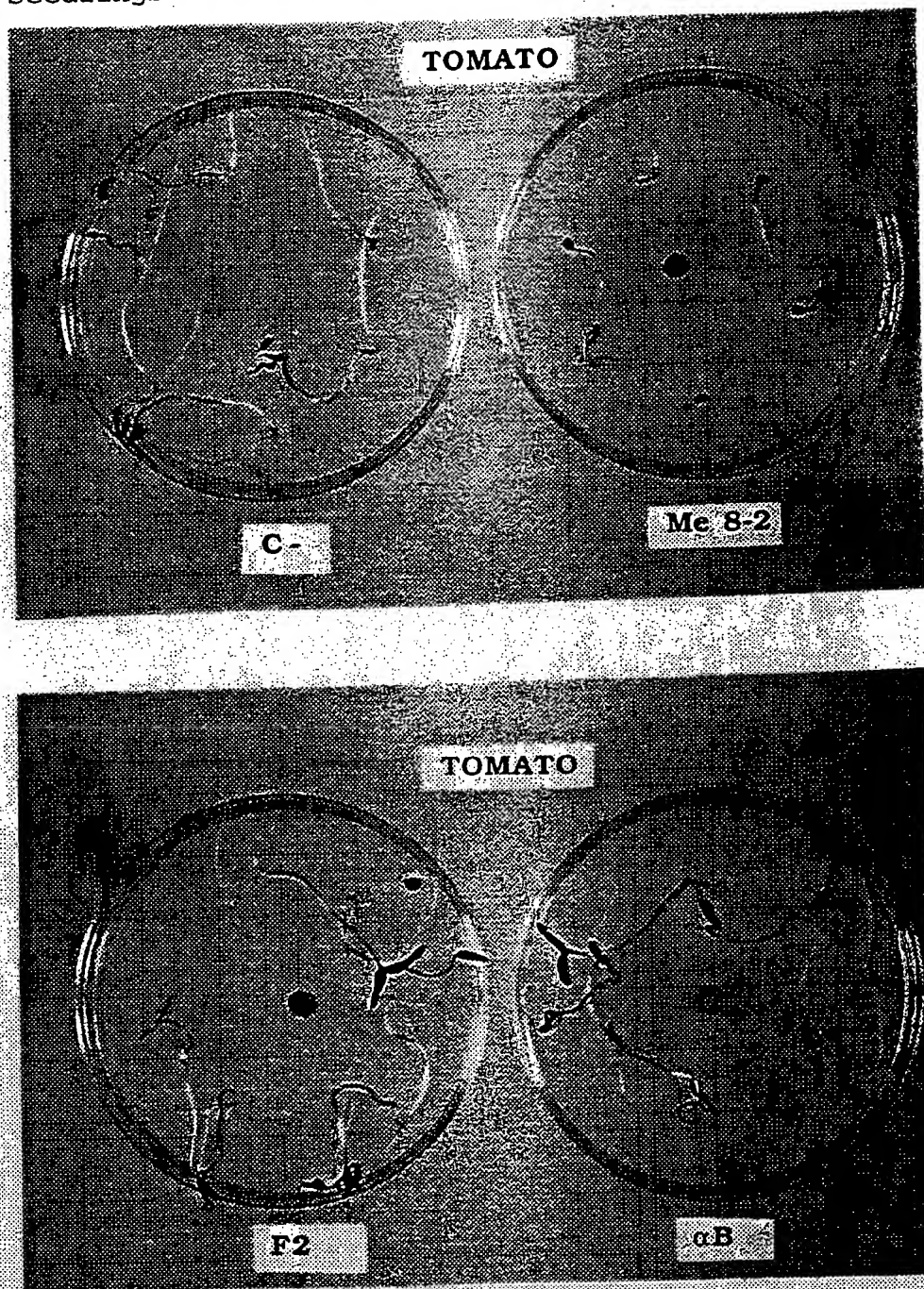


Fig. 14

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## PROTECTION TEST 1

Protection of binucleate strains F2 (up) and  $\alpha$ B (down) from pathogenic strain Me 8.2 on tomato seedlings when applied consecutively (right) but not when applied simultaneously (left).

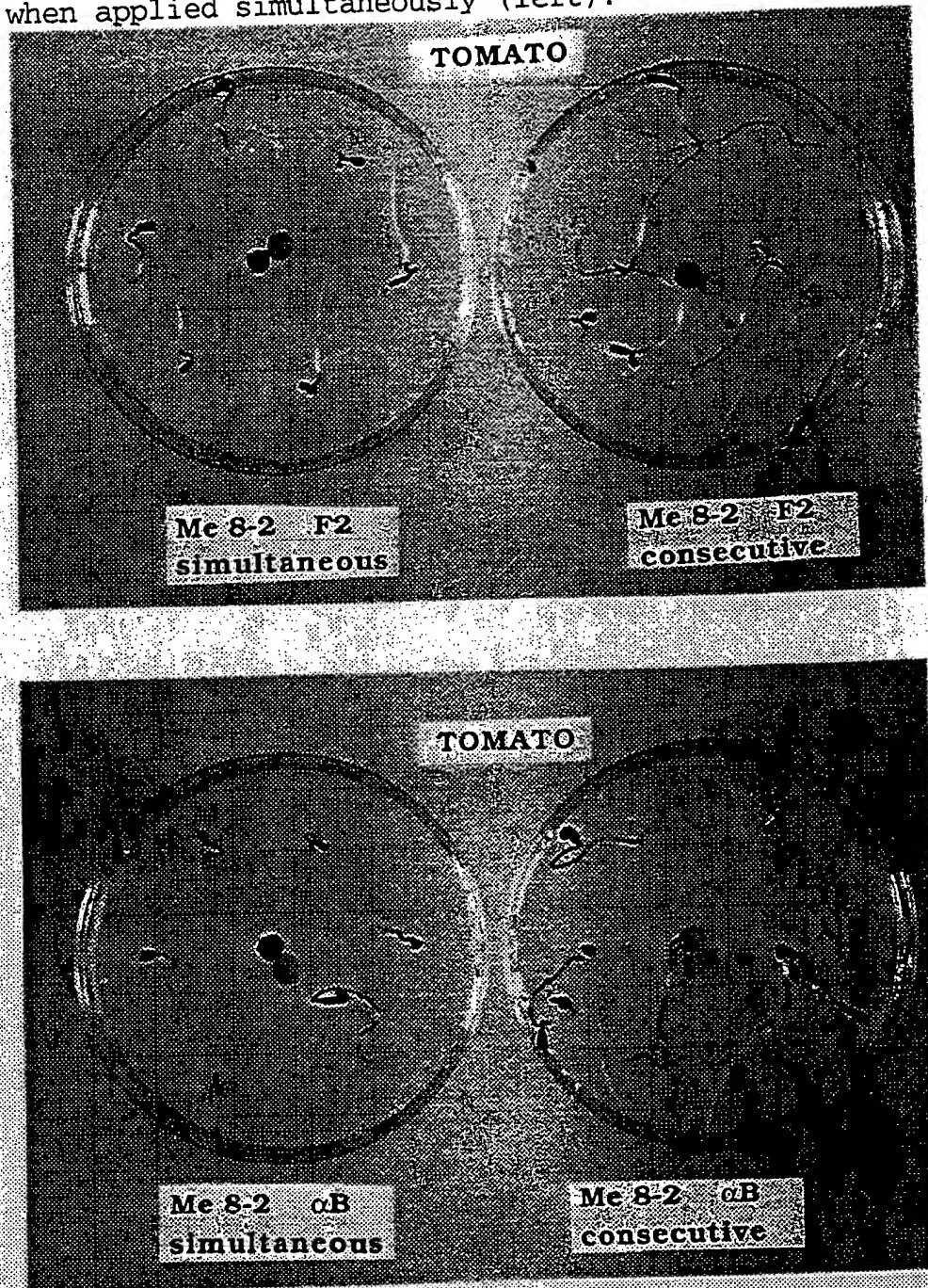


Fig. 15



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## PROTECTION TEST 3

(Up) Negative control without fungus (C-), positive control with pathogenic strain Me 8.2. (Down) Negative control without fungus (C-), positive control with pathogenic strain pin.



Fig. 16

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## PROTECTION TEST 3

Protection of binucleate strain Eab-F2 against pathogenic *Rhizoctonia* Me 8.2 (up) and pin (down) strains on pine seedlings when applied consecutively (right) and simultaneously (left).

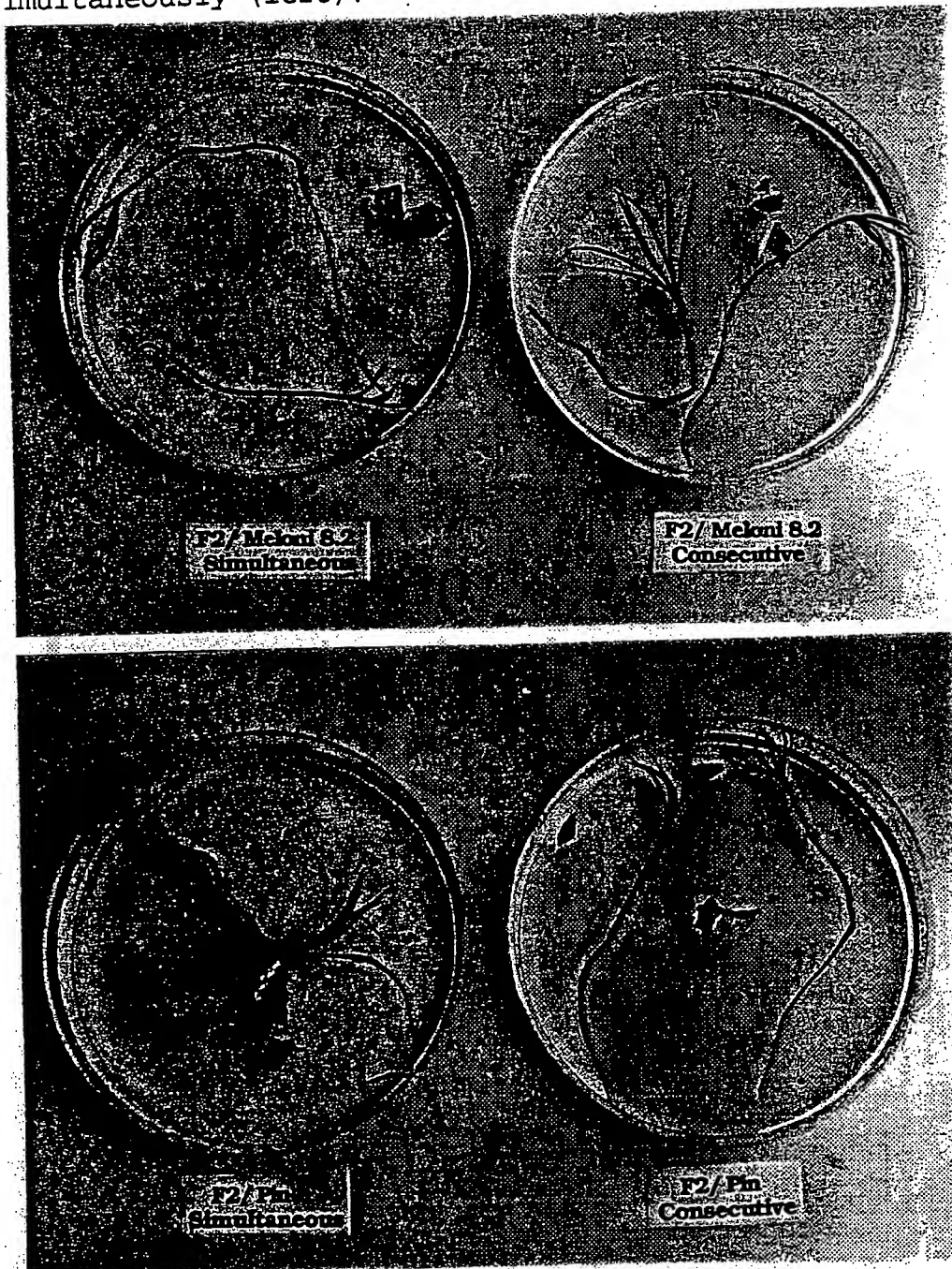


Fig. 17

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## PROTECTION TEST 3

Protection of binucleate strain **Eab-aB** against pathogenic **Rhizoctonia** Me 8.2 (up) and **pin** (down) strains on pine seedlings when applied consecutively (right) and simultaneously (left).

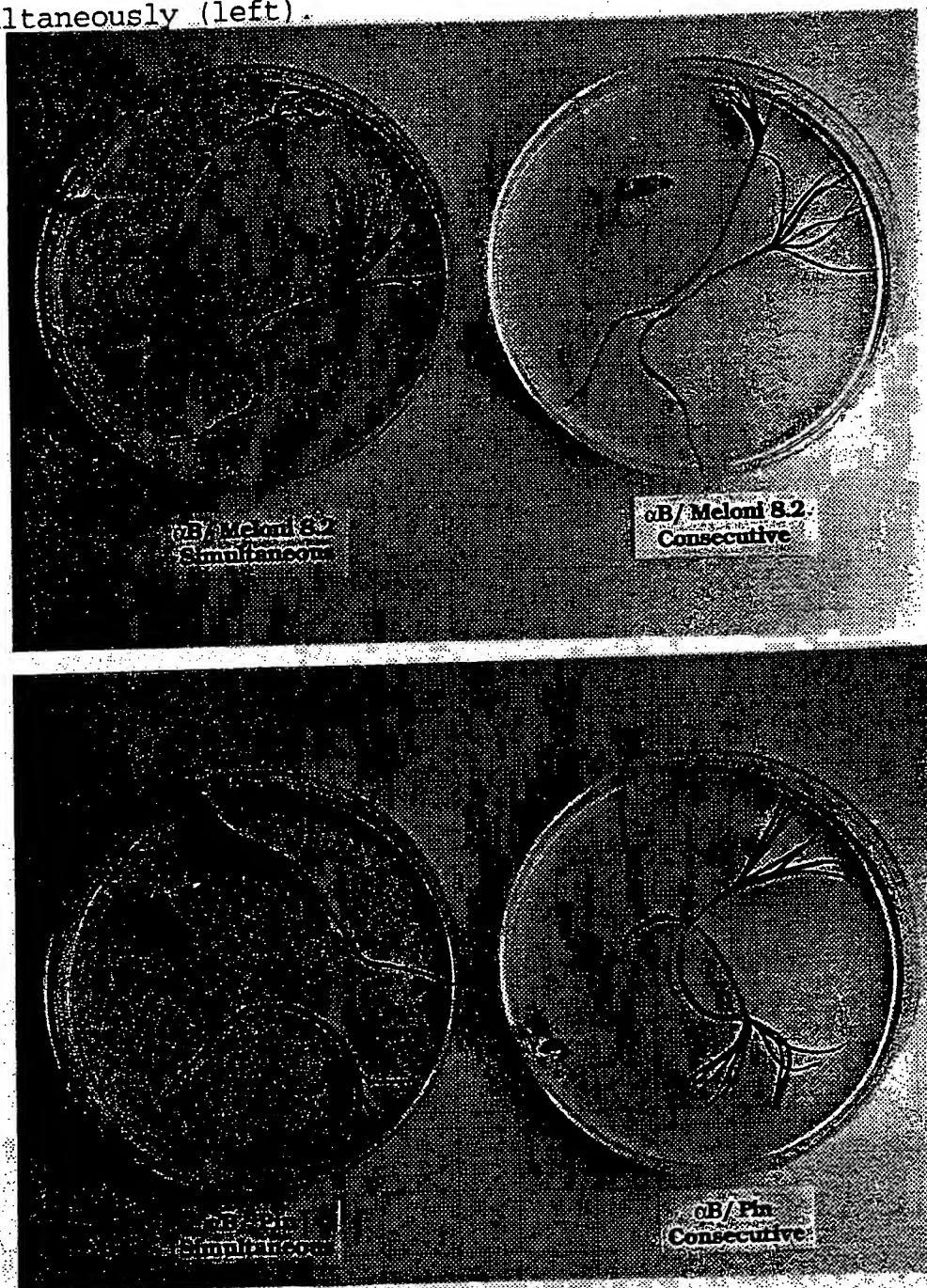


Fig. 18

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## PROTECTION TEST 3

(Up) Negative control without fungus (C-), positive control with pathogenic strain **pin** (Down) Negative control without fungus (C-), positive control with pathogenic strain **Me 8.2**.

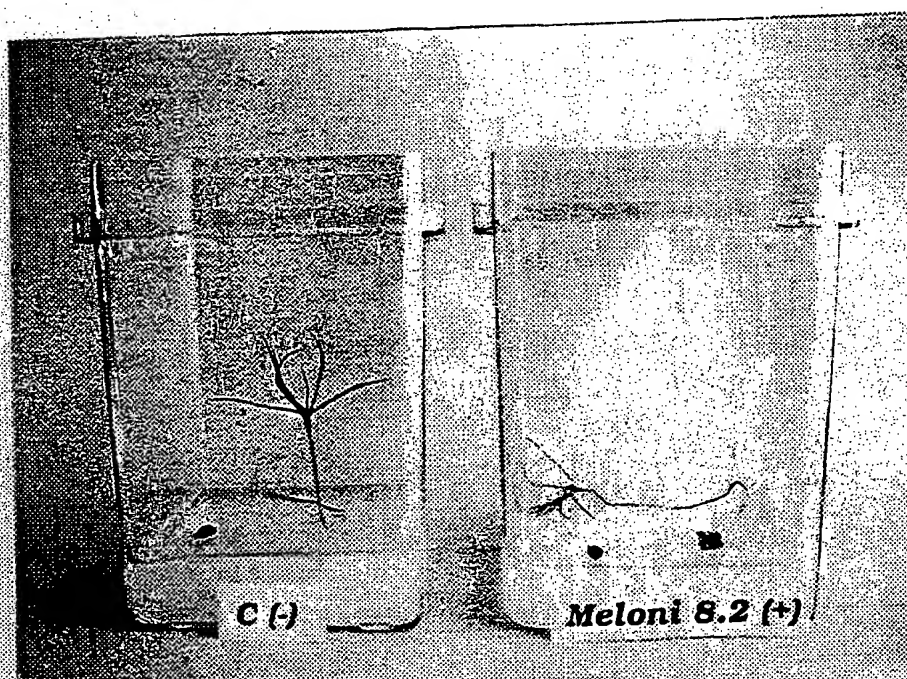
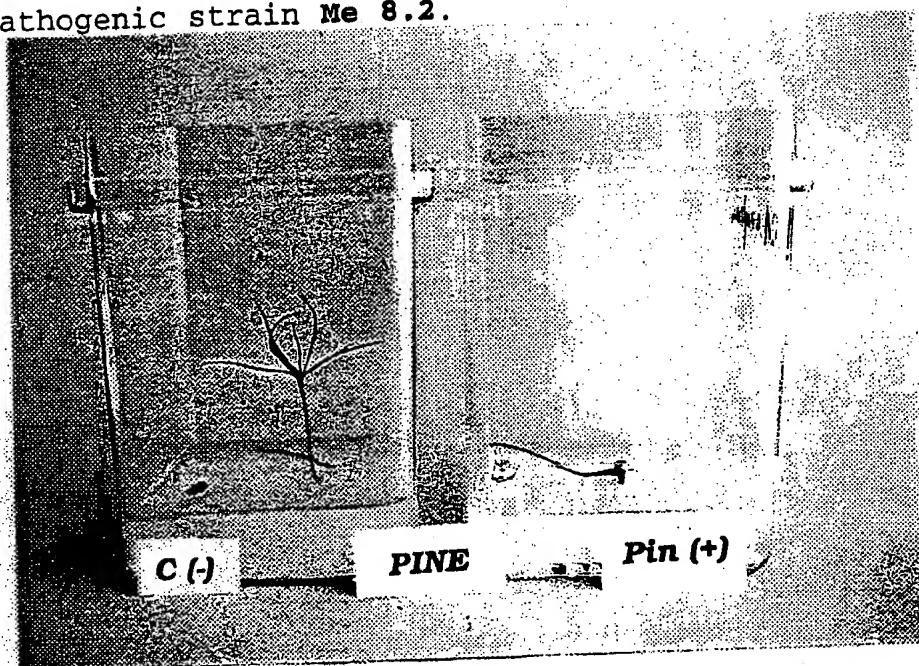


Fig. 19

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## PROTECTION TEST 3

(Up) Protection of binucleate strain **Eab-aB** against pathogenic **Me 8.2** strain on pine seedlings when applied consecutively (left) and simultaneously (right). (Down) Protection of binucleate strain **Eab-aB** against pathogenic **pin** strain on pine seedlings when applied consecutively (left) and simultaneously (right).



Fig. 20

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## PROTECTION TEST 3

(Up) Protection of binucleate strain **Eab-F2** against pathogenic **Me 8.2** strain on pine seedlings when applied consecutively (left) and simultaneously (right). (Down) Protection of binucleate strain **Eab-F2** against pathogenic **pin** strain on pine seedlings when applied consecutively (left) and simultaneously (right).

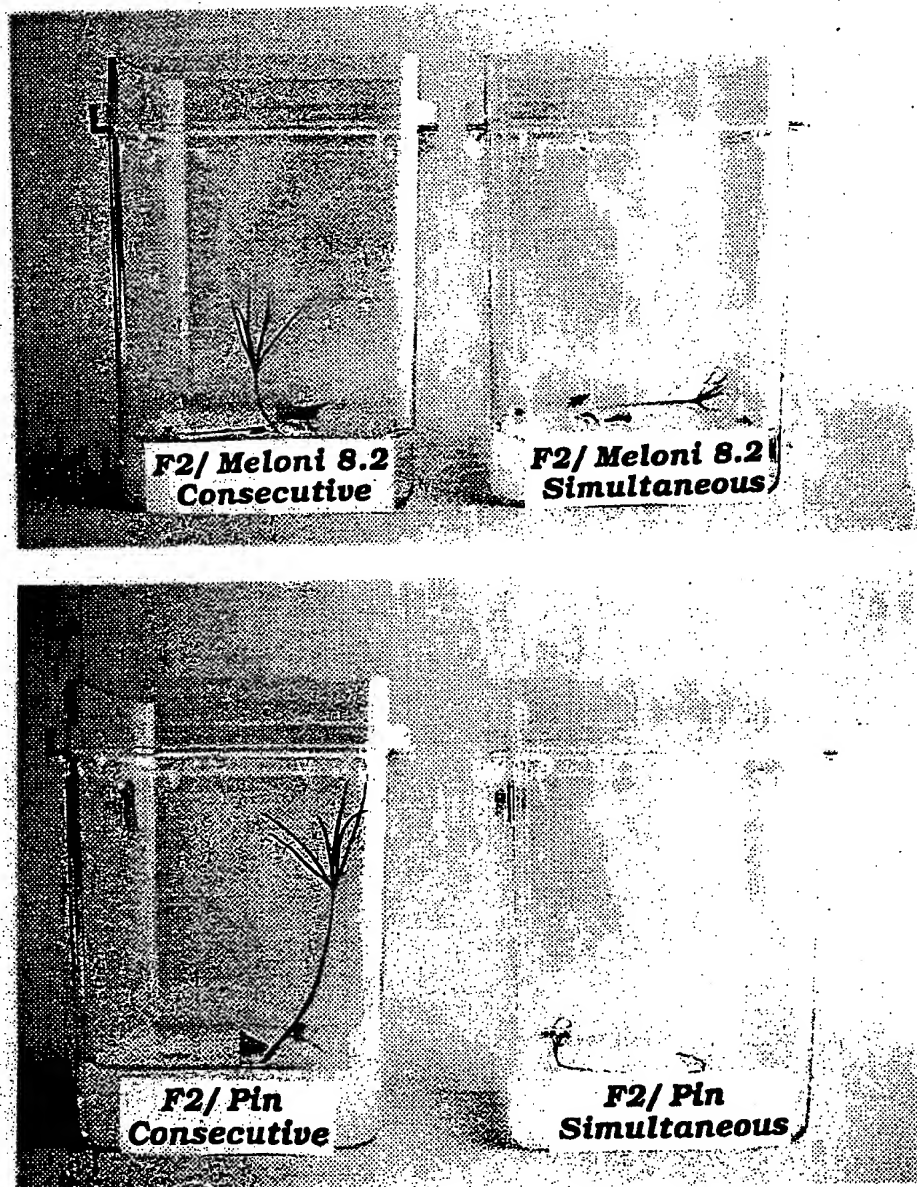
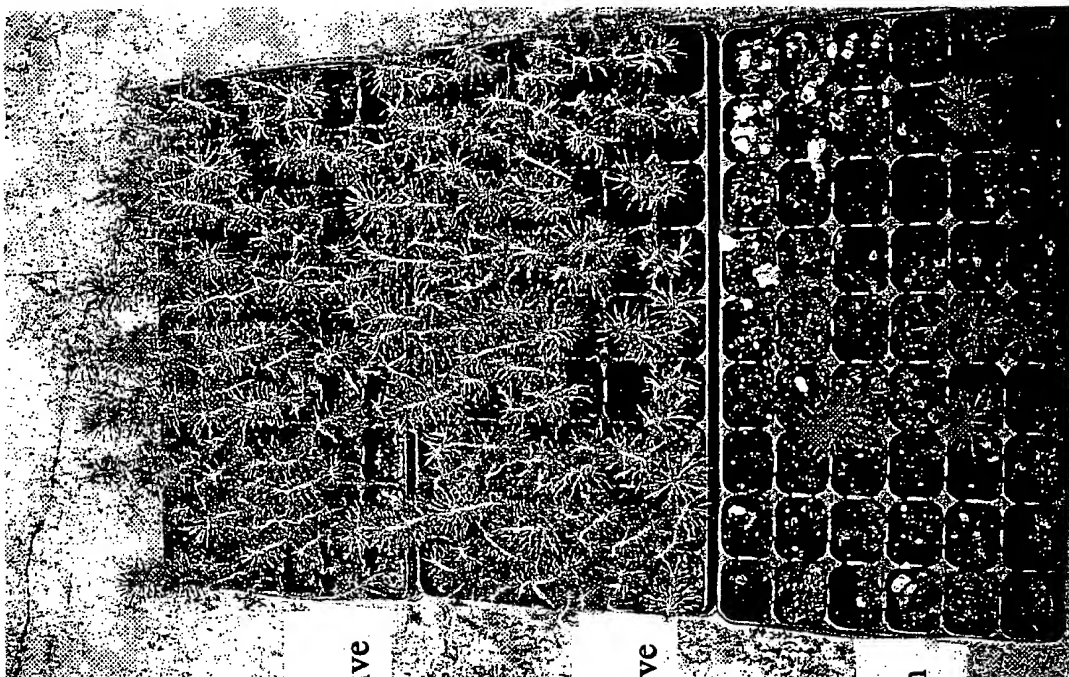


Fig. 21



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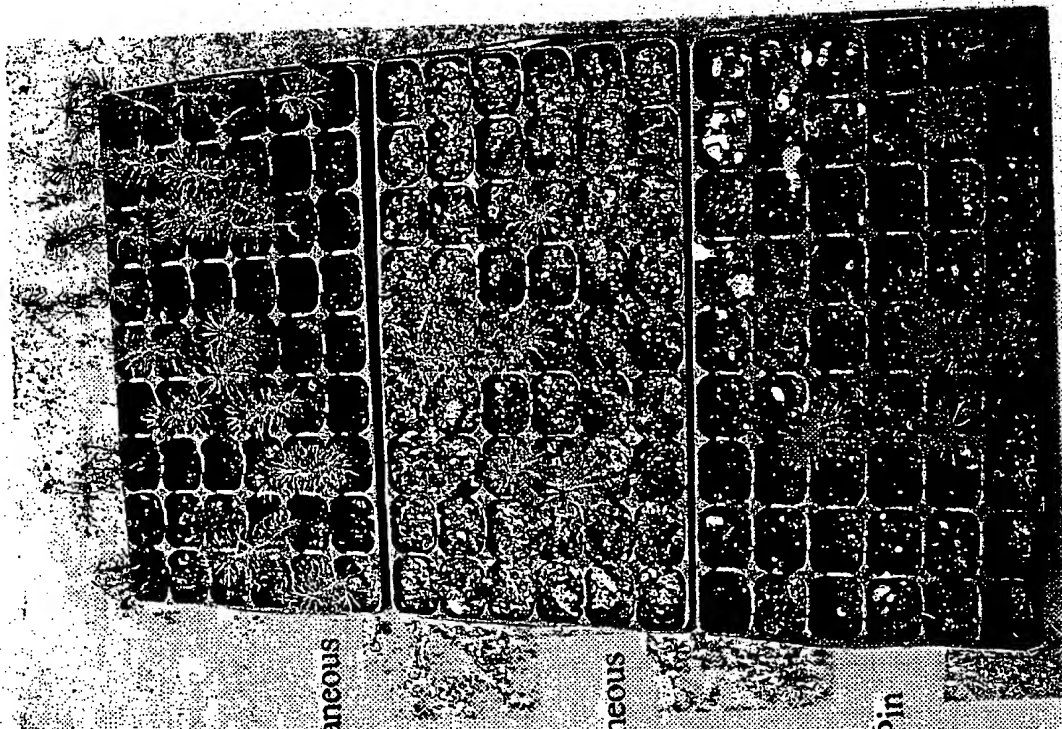
PROTECTION TEST 3 - PINE SEEDLINGS



F2-Pin  
consecutive

$\alpha$ B-Pin  
consecutive

Pin



F2-Pin  
simultaneous

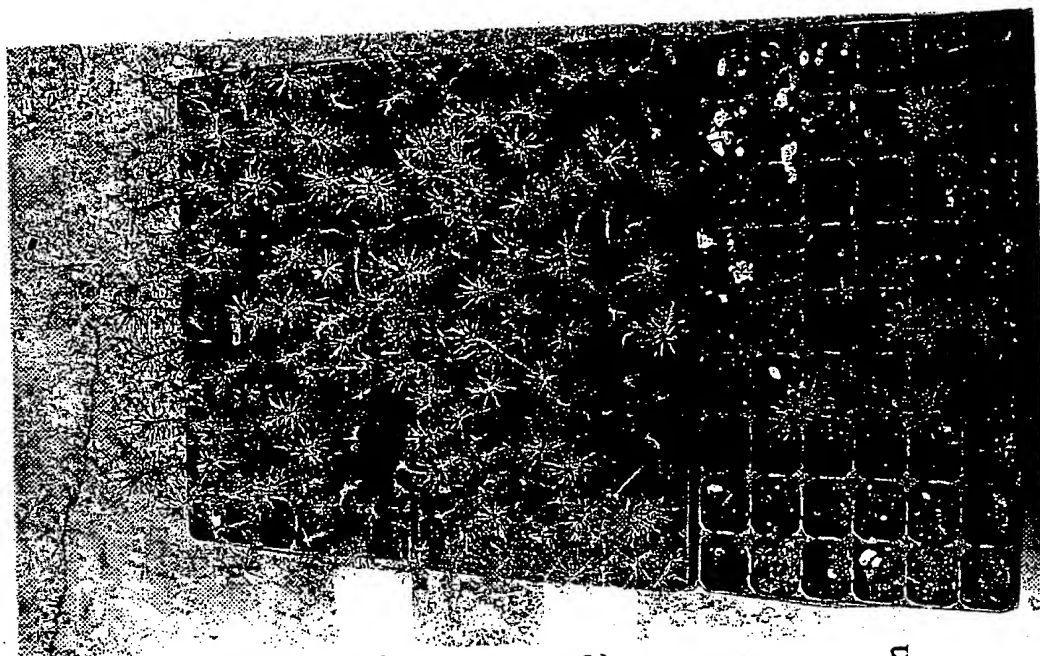
$\alpha$ B-Pin  
simultaneous

Pin

Fig. 22

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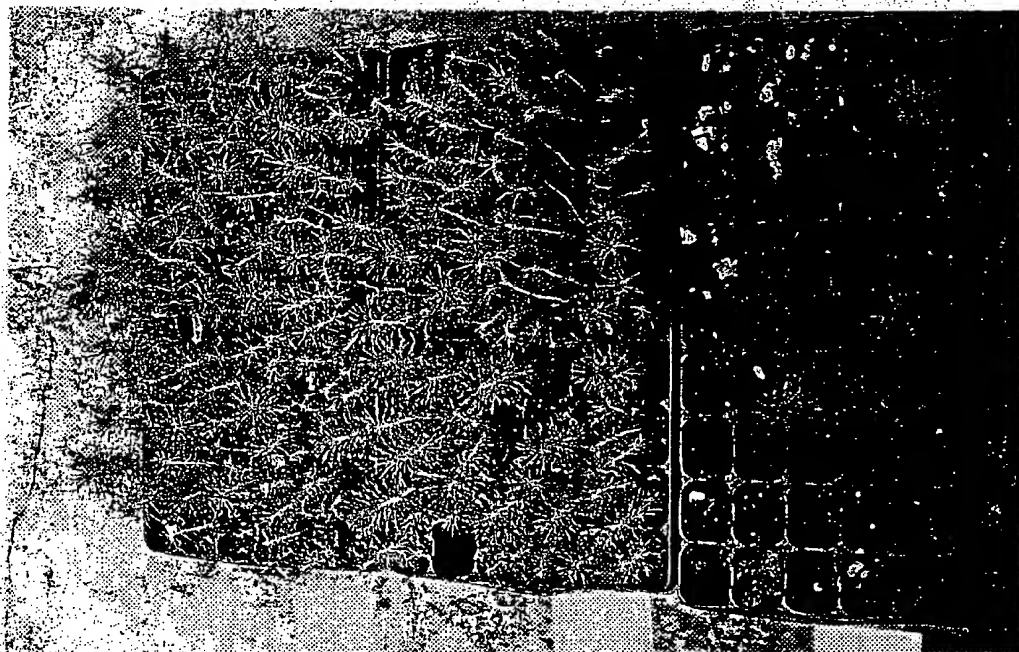
PROTECTION TEST 3 - PINE SEEDLINGS



C-

F2

Pin



C-

$\alpha$  B

Pin

Fig. 23

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PROTECTION TEST 3 - PINE SEEDLINGS

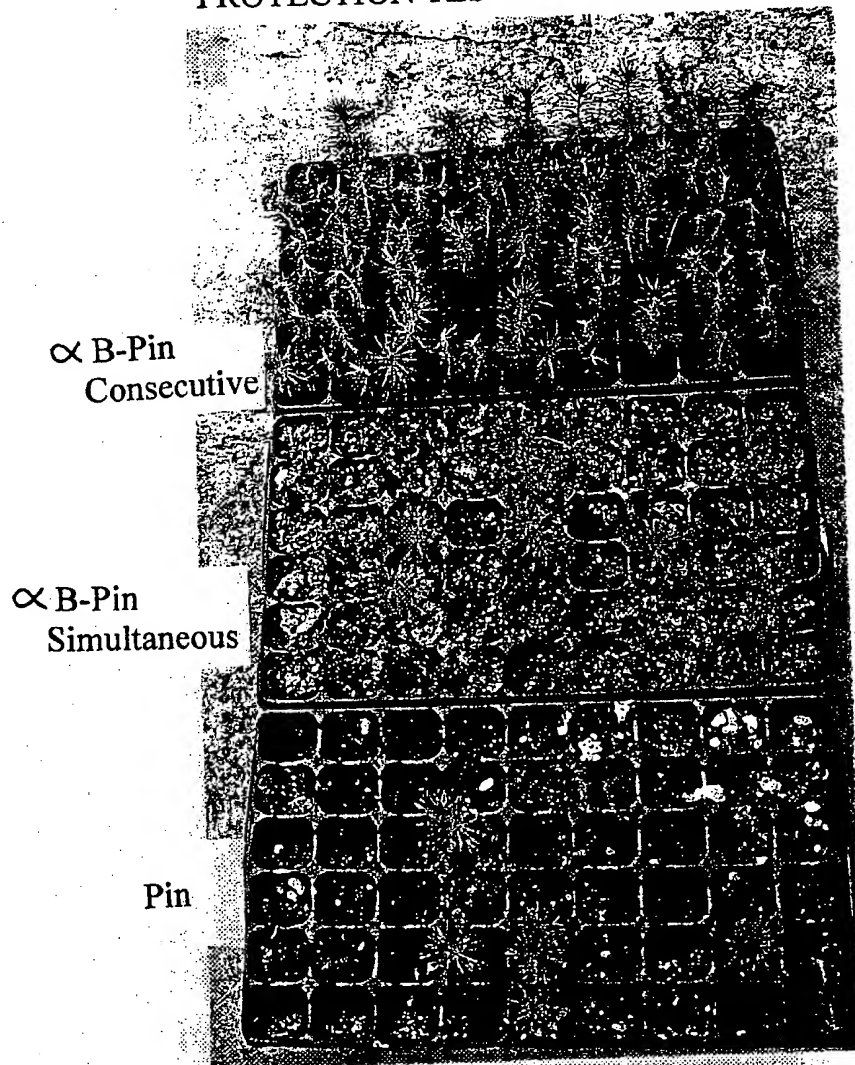


Fig. 24

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## PROTECTION TEST 4

Protection of binucleate strains **F2** (up) and **S7** (down) from pathogenic *Fusarium* strain on wheat seedlings when applied consecutively (left) and simultaneously (right).

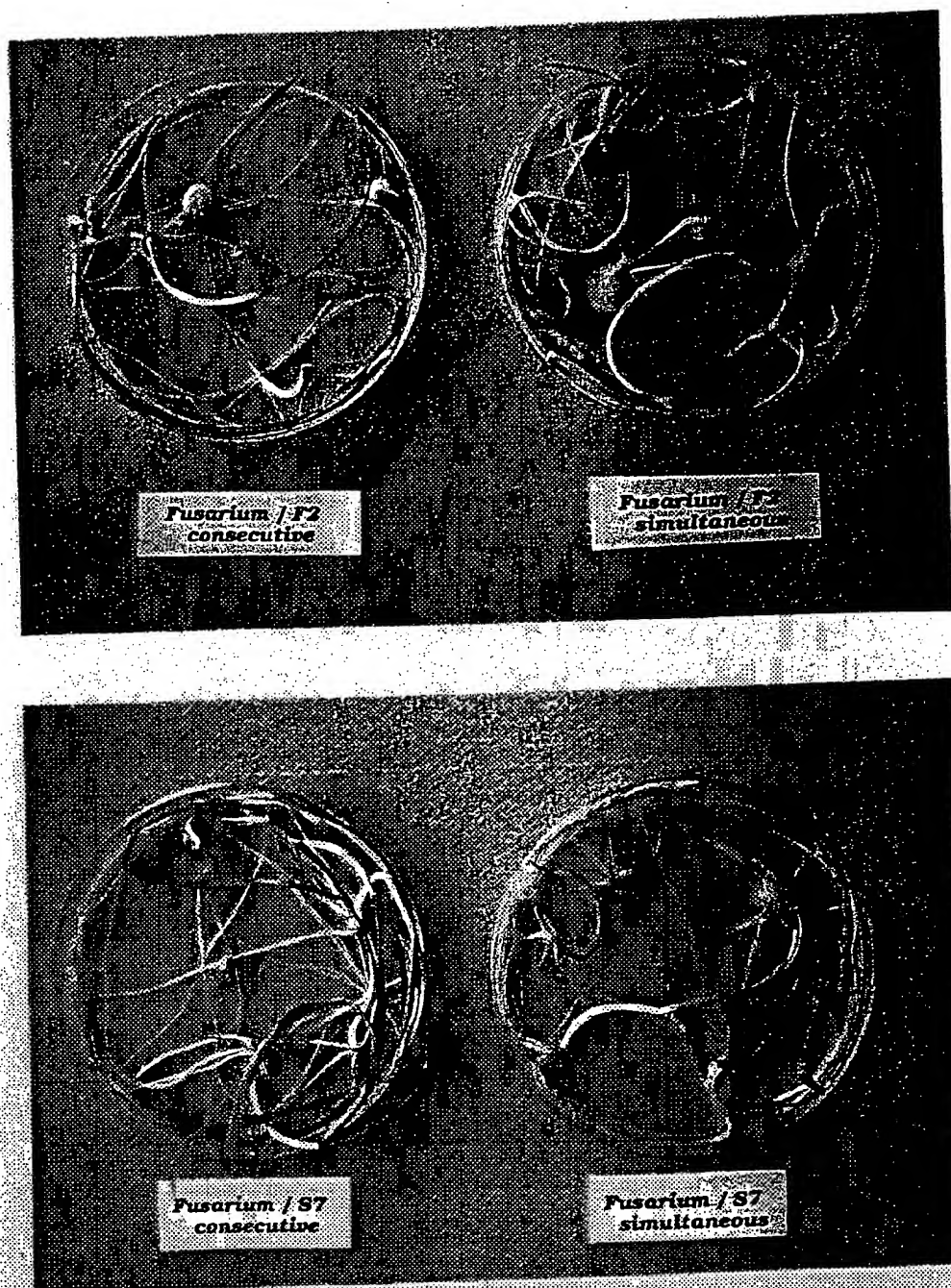


Fig. 25

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## PROTECTION TEST 4

Protection of binucleate strains S6 (up) and F5 (down) from pathogenic *Rhizoctonia* RAG2 strain on wheat seedlings when applied consecutively (left) and simultaneously (right).



Fig. 26

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## PROTECTION TEST 4

(up) Negative control without fungus (C-), positive control with pathogenic *Fusarium* strain  
(down) Negative control without fungus (C-), positive control with pathogenic *Rhizoctonia* RAG2 strain

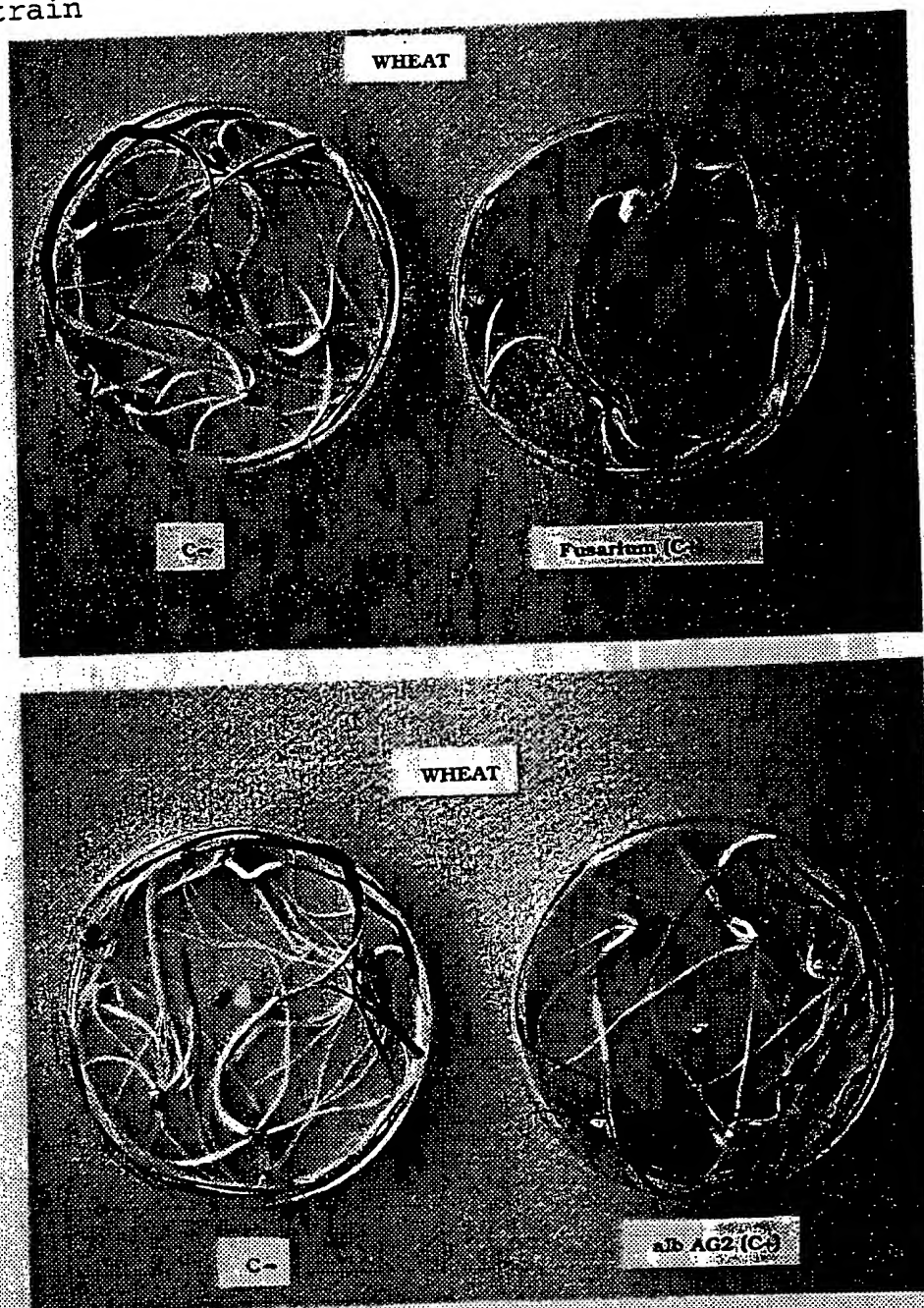


Fig. 27

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## PROTECTION TEST 4

General view of experimental greenhouse design (up)  
and detail of early symptoms caused by pathogenic  
strain *Fusarium* sp. (Down)



Fig. 28

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## PROTECTION TEST 4

(up) Negative control without fungus (C-), positive control with pathogenic *Fusarium* strain

(down) Negative control without fungus (C-), positive control with pathogenic *Rhizoctonia* RAG2 strain



Fig. 29

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## PROTECTION TEST 4

Protection of binucleate strain **F5** from pathogenic *Fusarium* *sp.* strain on wheat plants when applied consecutively (up) and simultaneously (down).



Fig. 30

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## PROTECTION TEST 4

Protection of binucleate strain **S6** from pathogenic *Fusarium* *sp.* strain on wheat plants when applied consecutively (up) and simultaneously (down).



Fig. 31

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## PROTECTION TEST 5

(up) Negative control without fungus (C-), positive control with pathogenic *Rhizoctonia* RAG2 strain  
(down) Protection of binucleate strains F3 from pathogenic *Rhizoctonia* RAG2 strain on rape seedlings when applied consecutively (left) and simultaneously (right).



Fig. 32

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PROTECTION TEST 5

Protection of binucleate strains **S6** (up) and **F6** (down) from pathogenic **Rhizoctonia** **RAG2** strain on rape seedlings when applied consecutively (left) and simultaneously (right).

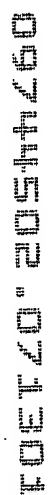


Fig. 33



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## PROTECTION TEST 5

Protection of binucleate strains S1 (up) and S7 (down) from pathogenic *Rhizoctonia* RAG2 strain on rape seedlings when applied consecutively (left) and simultaneously (right).

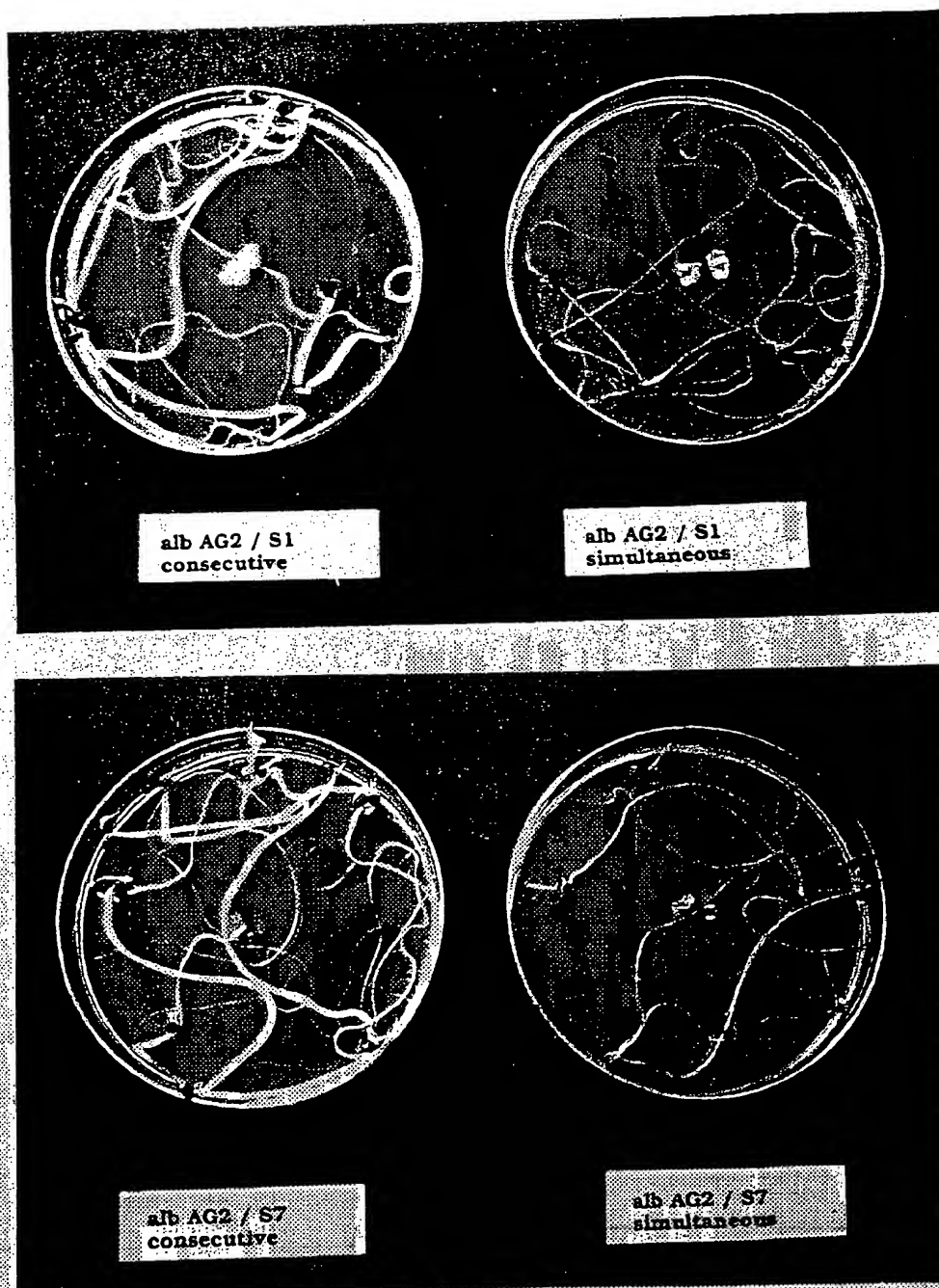


Fig. 34

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## PROTECTION TEST 6

(up) Negative control without fungus (C-), positive control with pathogenic *Fusarium* strain

(down) Negative control without fungus (C-), positive control with pathogenic *Rhizoctonia* RAG2 strain

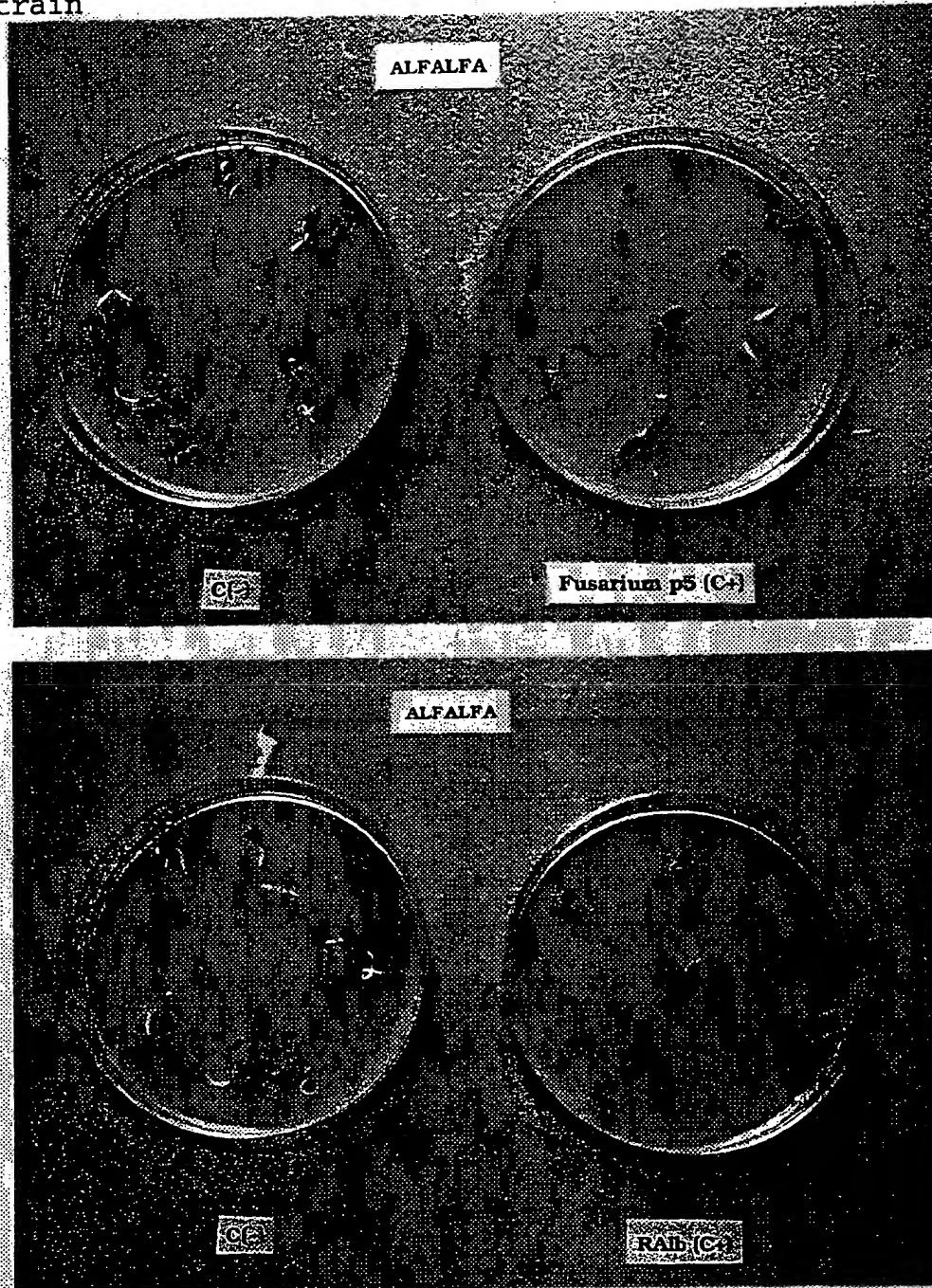


Fig. 35

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## PROTECTION TEST 6

Negative control without fungus (C-), positive control with pathogenic *Rhizoctonia meloni* 8.2 strain

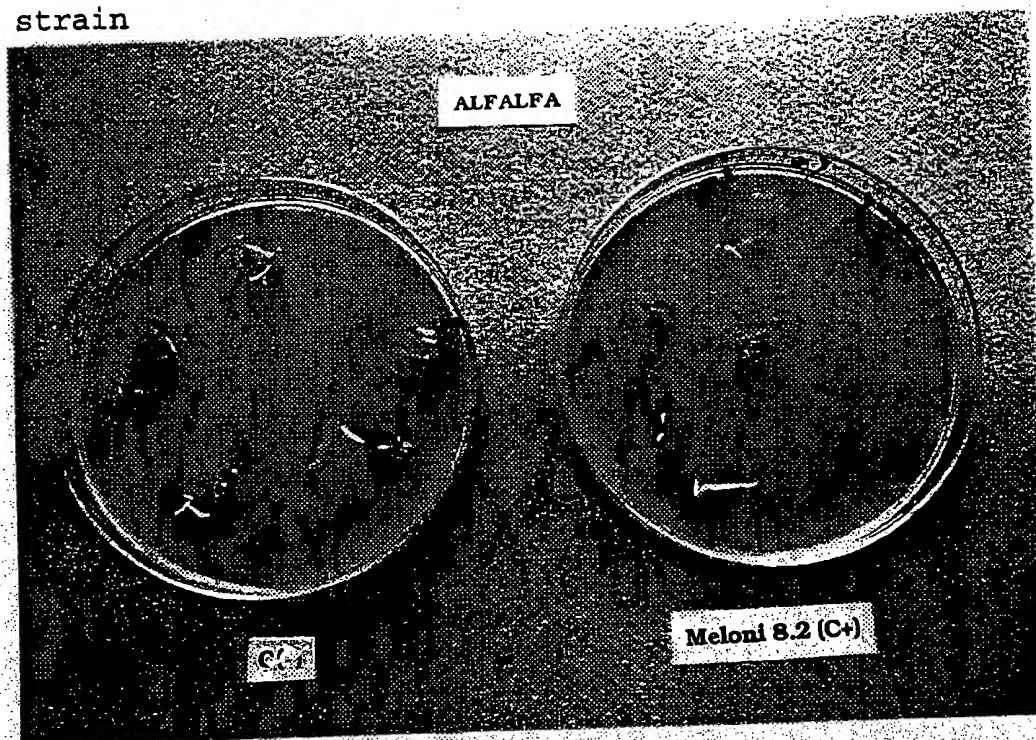


Fig. 36

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## PROTECTION TEST 6

Protection of binucleate strains S1 (up) and S7 (down) from pathogenic *Rhizoctonia* RAG2 strain on alfalfa seedlings when applied consecutively (right) and simultaneously (left).

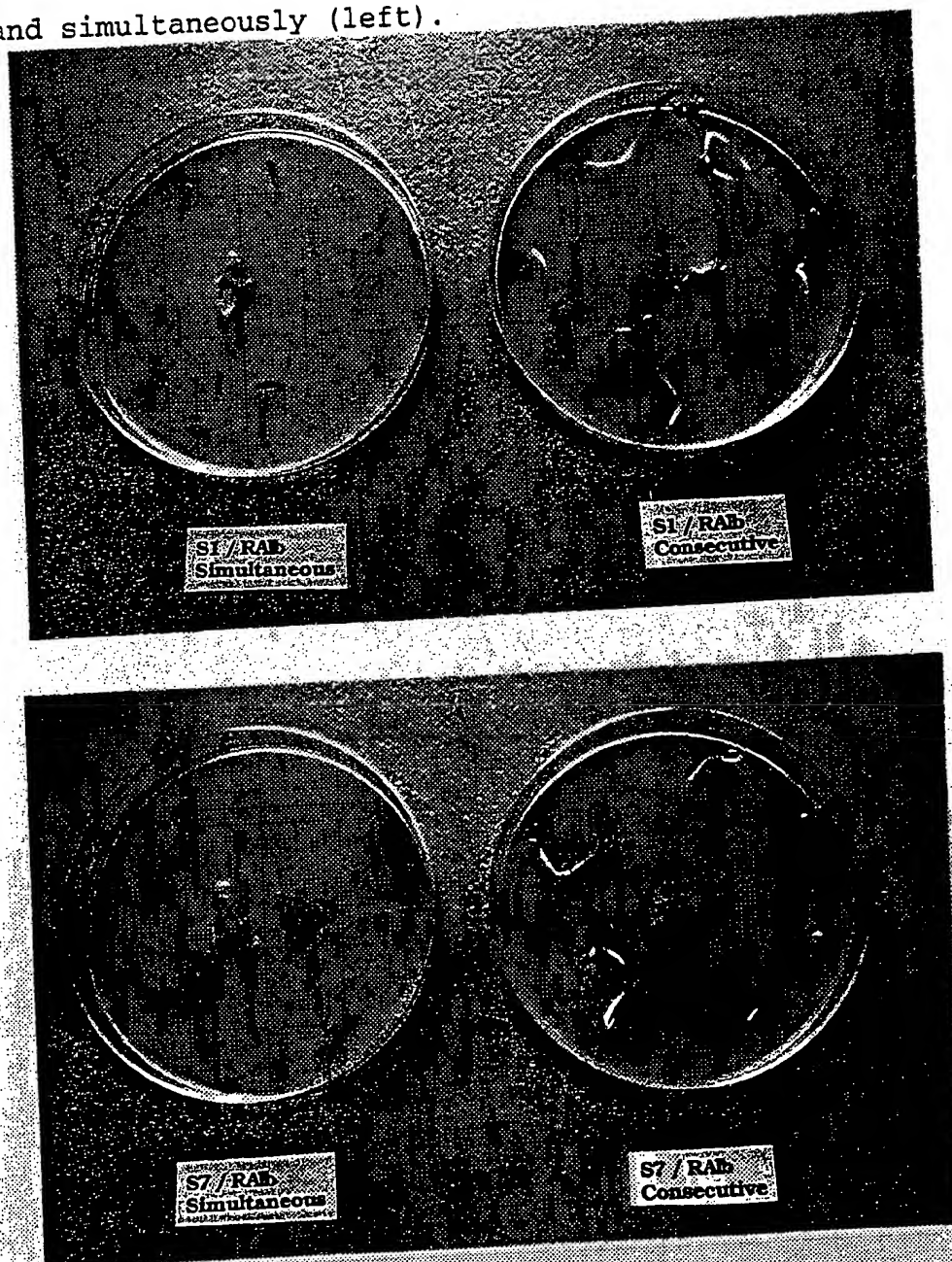


Fig. 37

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## PROTECTION TEST 6

Protection of binucleate strains S1 (up) and S7 (down) from pathogenic *Rhizoctonia meloni* 8.2 strain on alfalfa seedlings when applied consecutively (right) and simultaneously (left).

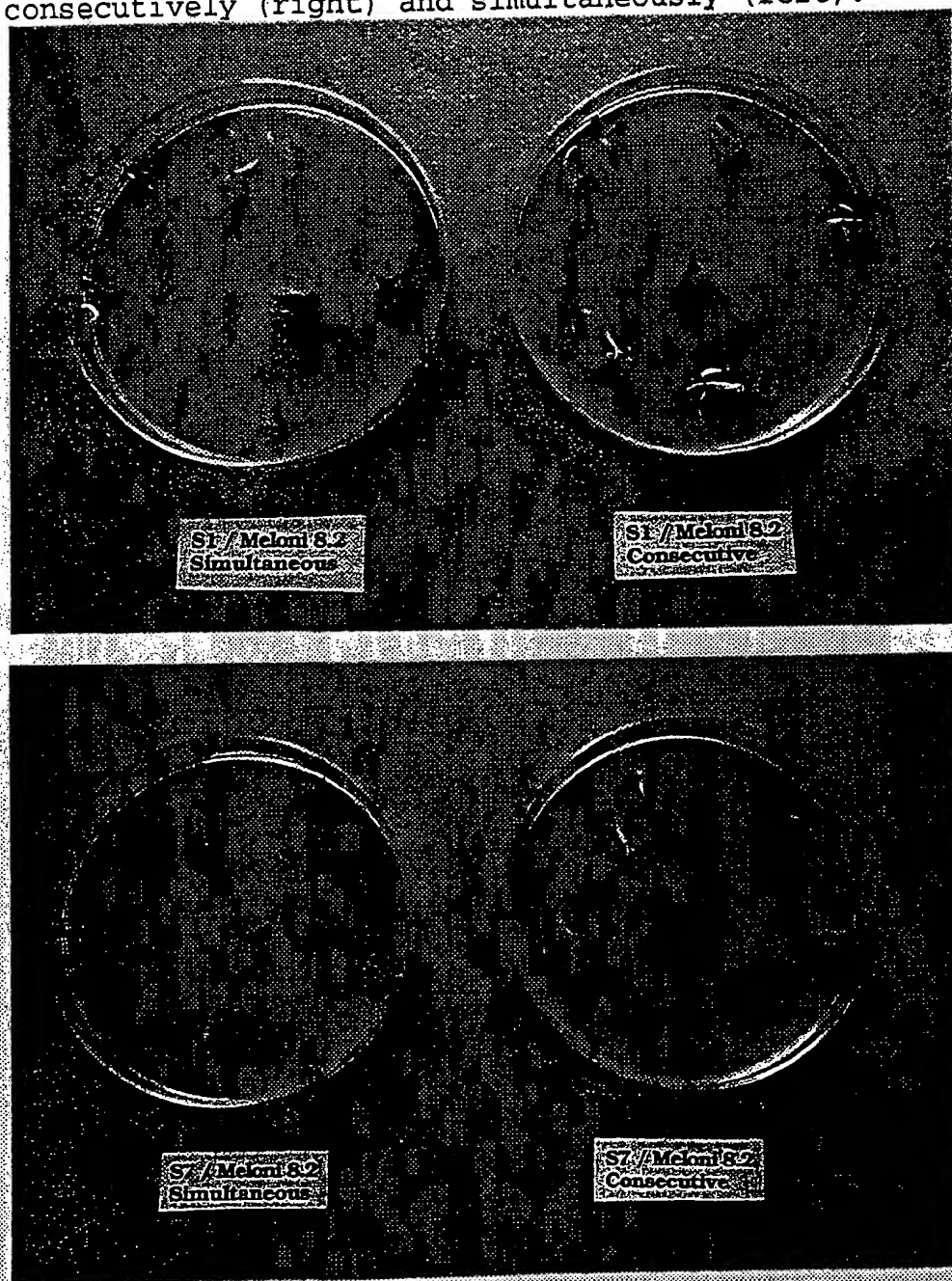


Fig. 38

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## PROTECTION TEST 6

Protection of binucleate strains **S1** (up) and **S7** (down) from pathogenic *Fusarium* strain on alfalfa seedlings when applied consecutively (right) and simultaneously (left).

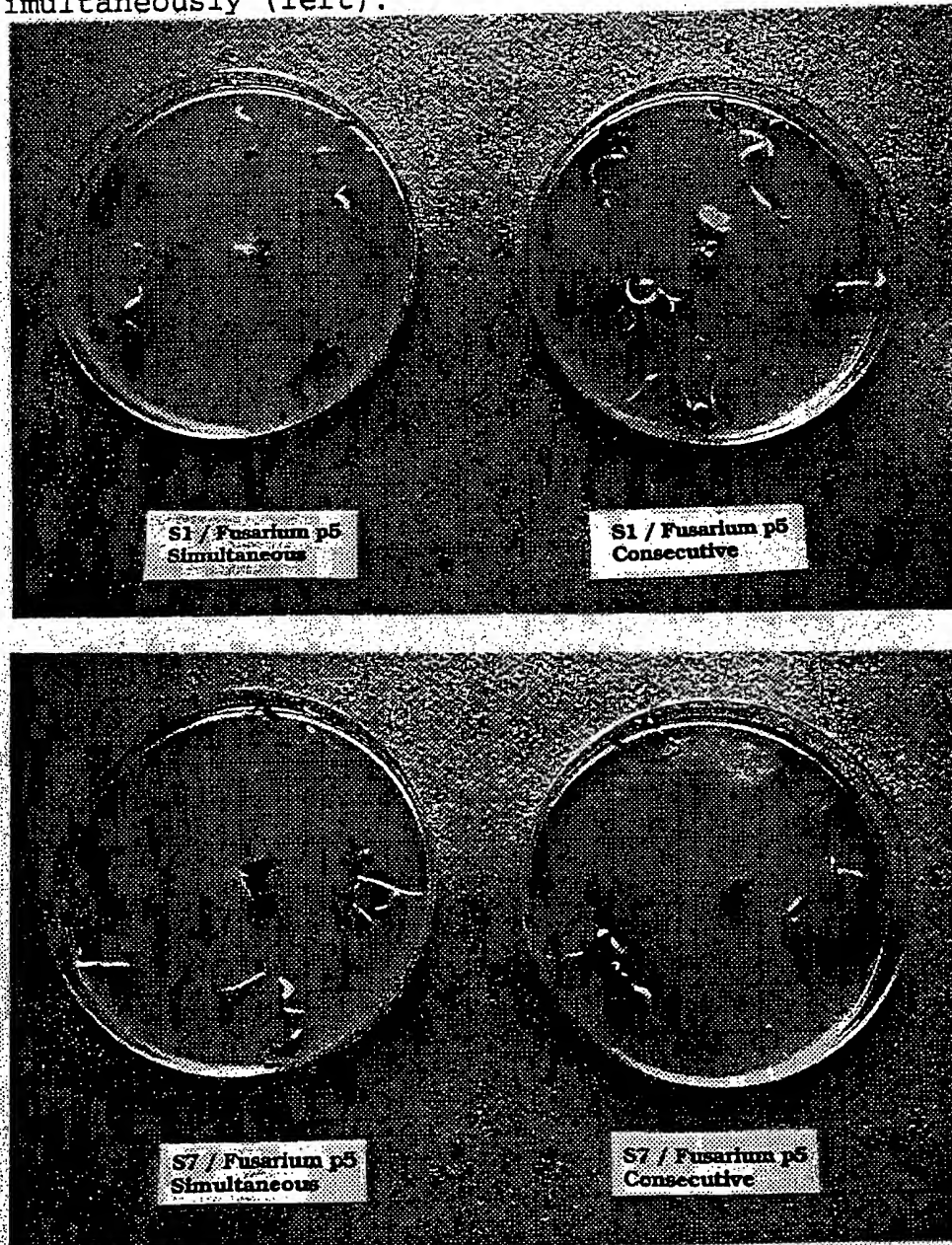


Fig. 39

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## PROTECTION TEST 7

Negative control with non-sterilized garlic bulbs  
(C-), infected with pathogenic *Penicillium* sp.  
strain.

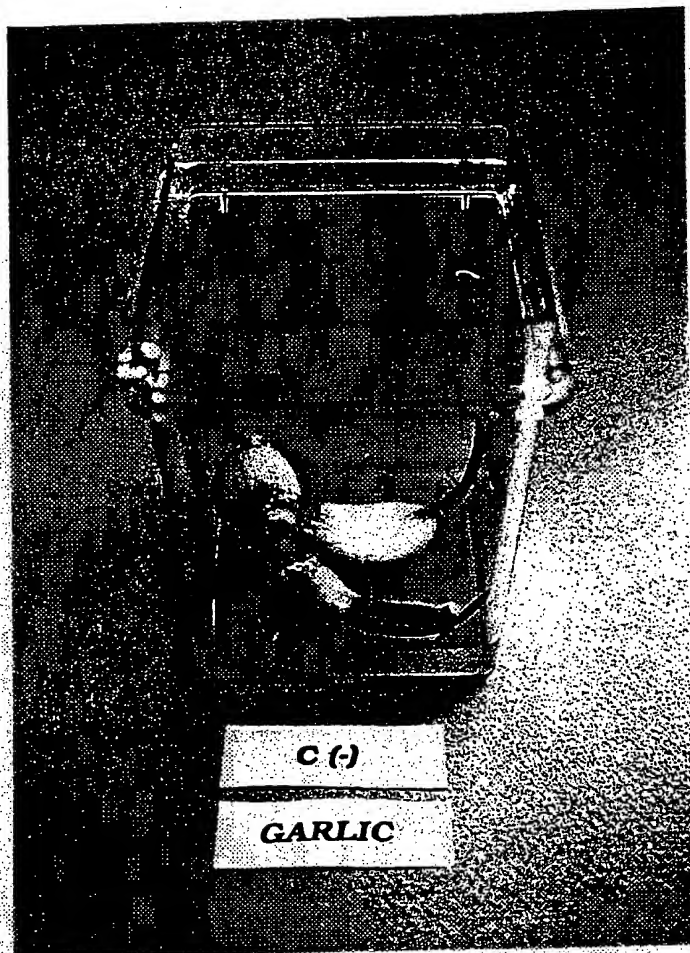


Fig. 40

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## PROTECTION TEST 7

Protection of binucleate strains **F1** (up) and **S4** (down) from pathogenic *Penicillium* strain on garlic bulbs when applied directly on the surface of the bulb

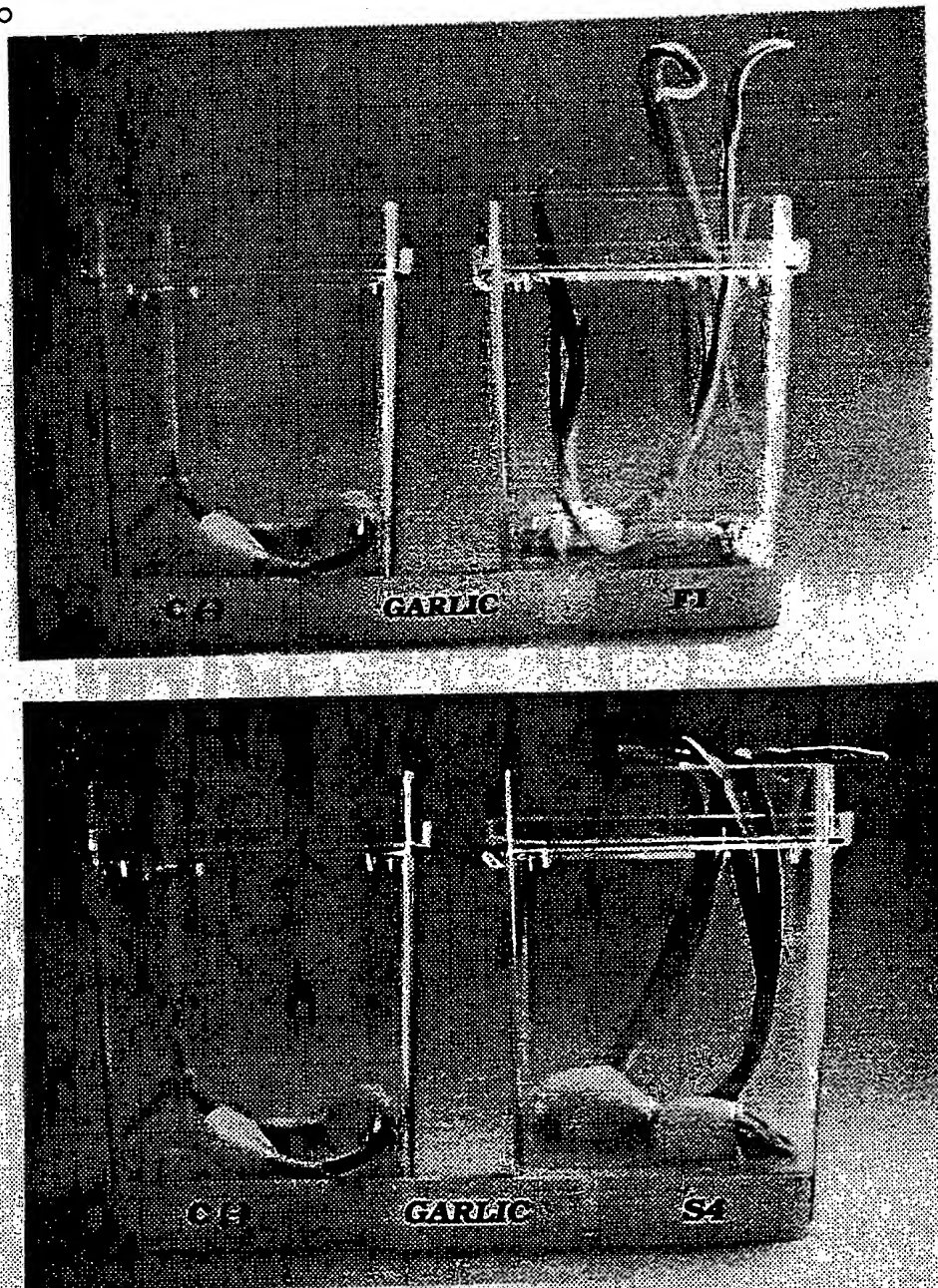


Fig. 41



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## PROTECTION TEST 7

Protection of binucleate strains **F7** (up) and **S6** (down) from pathogenic *Penicillium* strain on garlic bulbs when applied directly on the surface of the bulb

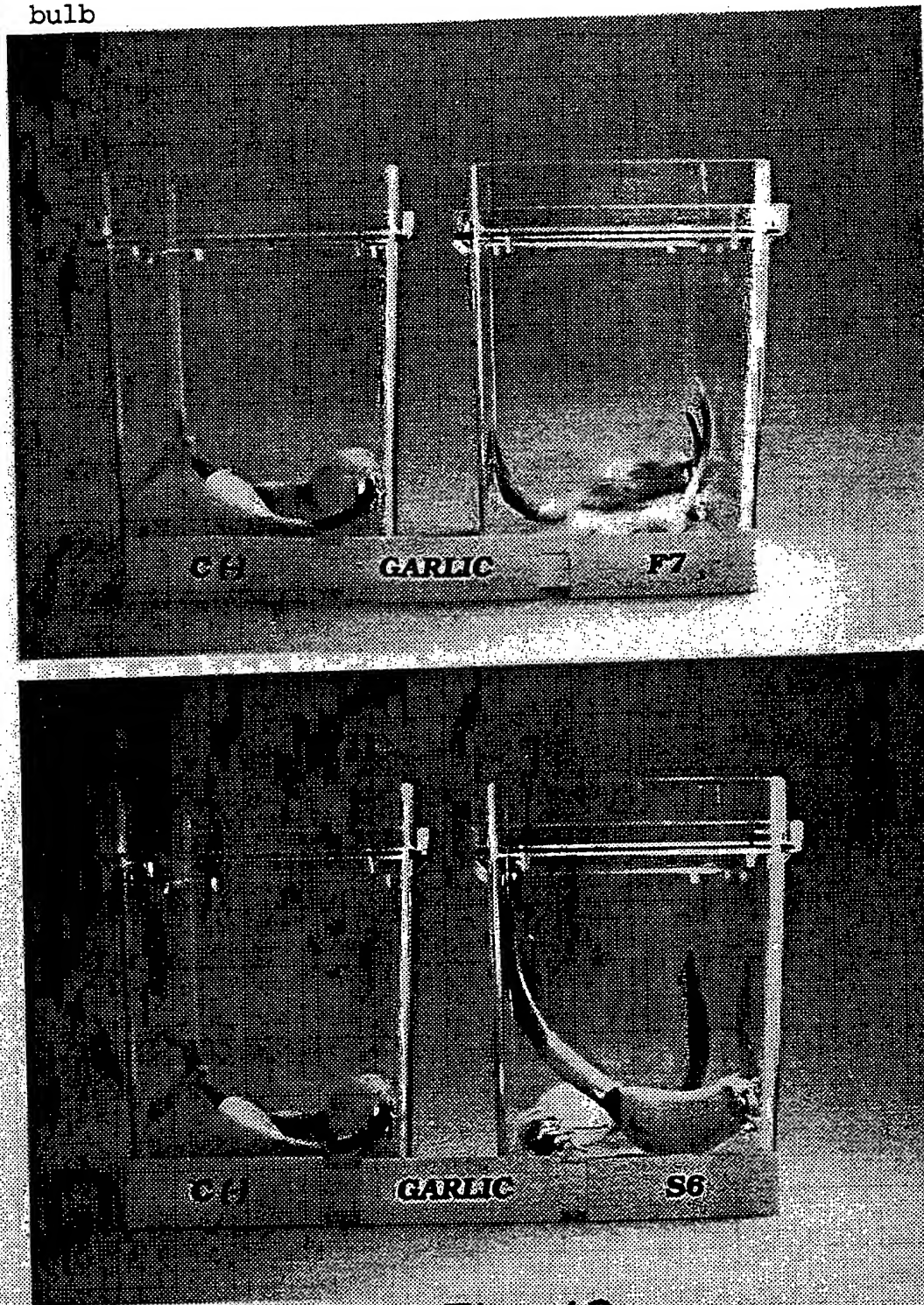


Fig. 42

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## PROTECTION TEST 8

Protection of binucleate strains **Eab-F1** (up) and **Eab-F2** (down) from pathogenic *Fusarium* *sp.* strain on sugar beet seedlings when applied consecutively (right) and simultaneously (left).

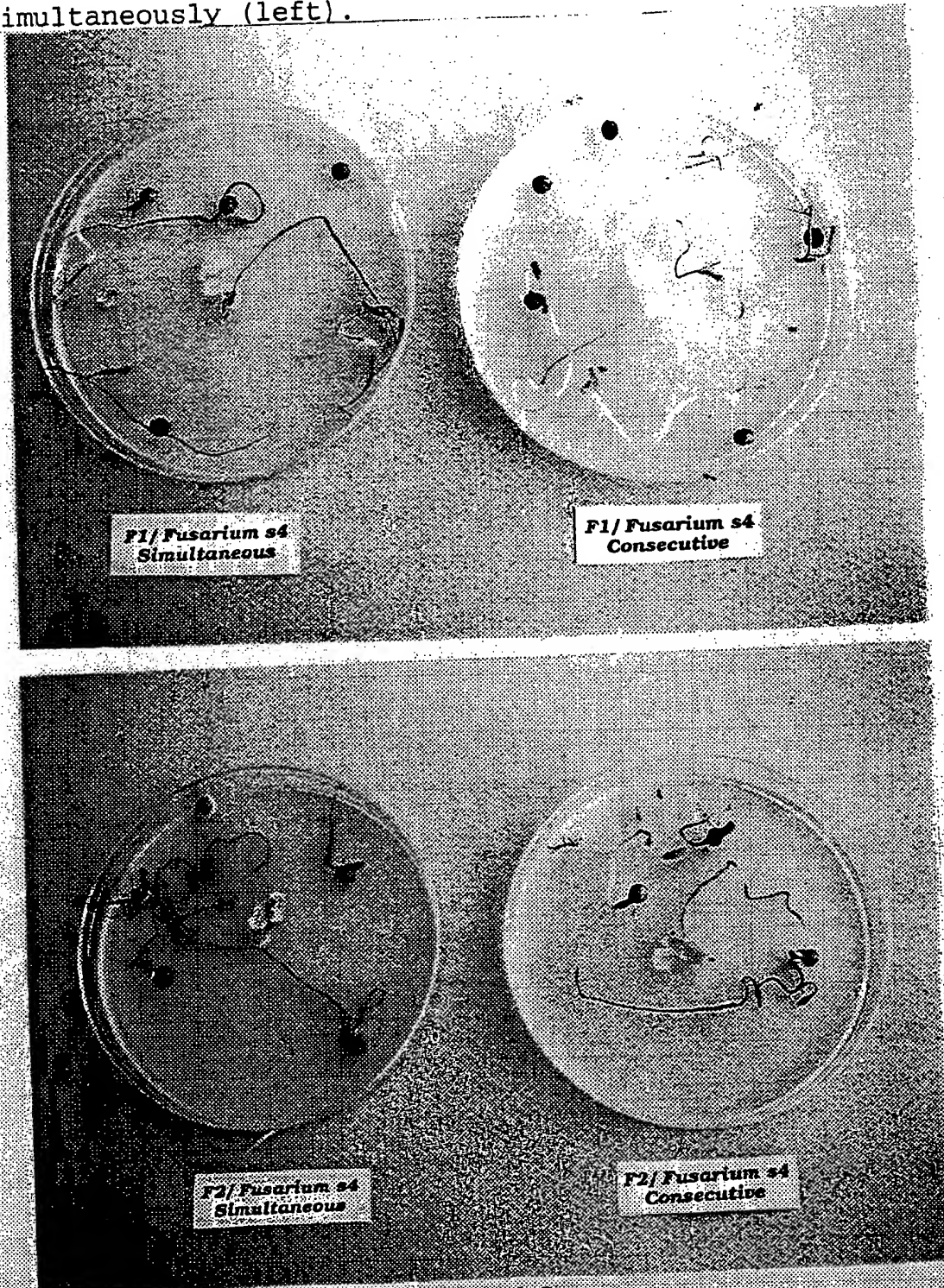


Fig. 43

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## PROTECTION TEST 8

Negative control without fungus (C-), positive control with pathogenic *Fusarium sp.* strain

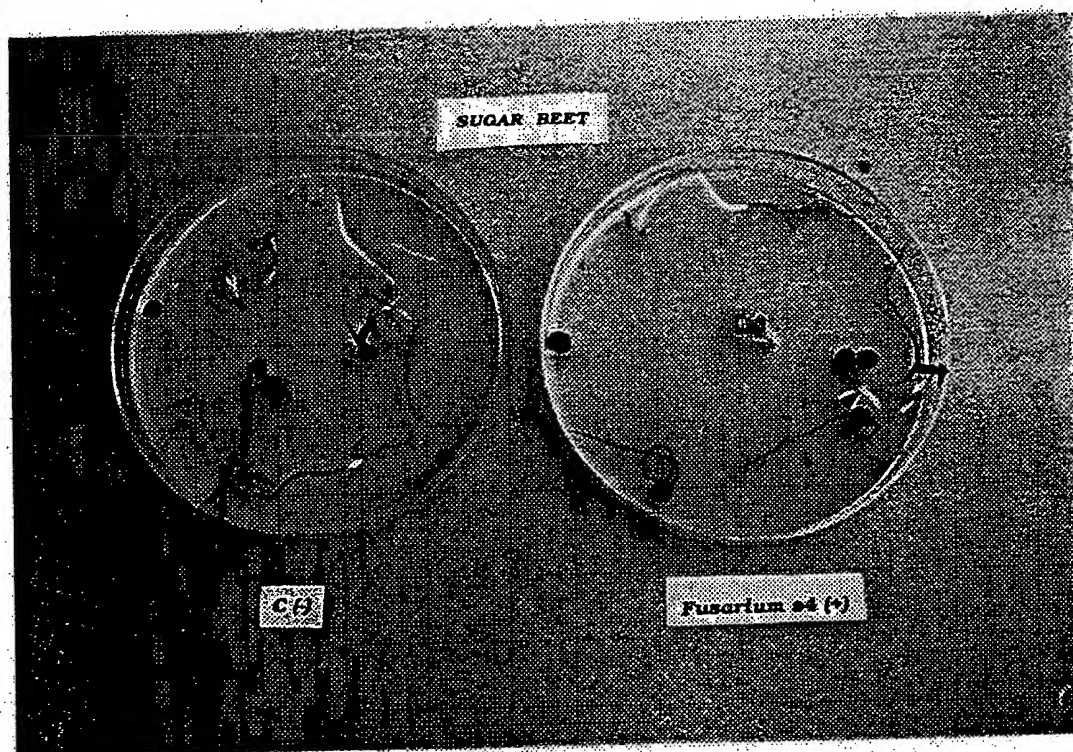


Fig. 44



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## PROTECTION TEST 8

Protection of binucleate strains **Eab-F1** (up) and **Eab-F3** (down) from pathogenic **Rhizoctonia RAG2** strain on sugar beet seedlings when applied consecutively (right) and simultaneously (left).

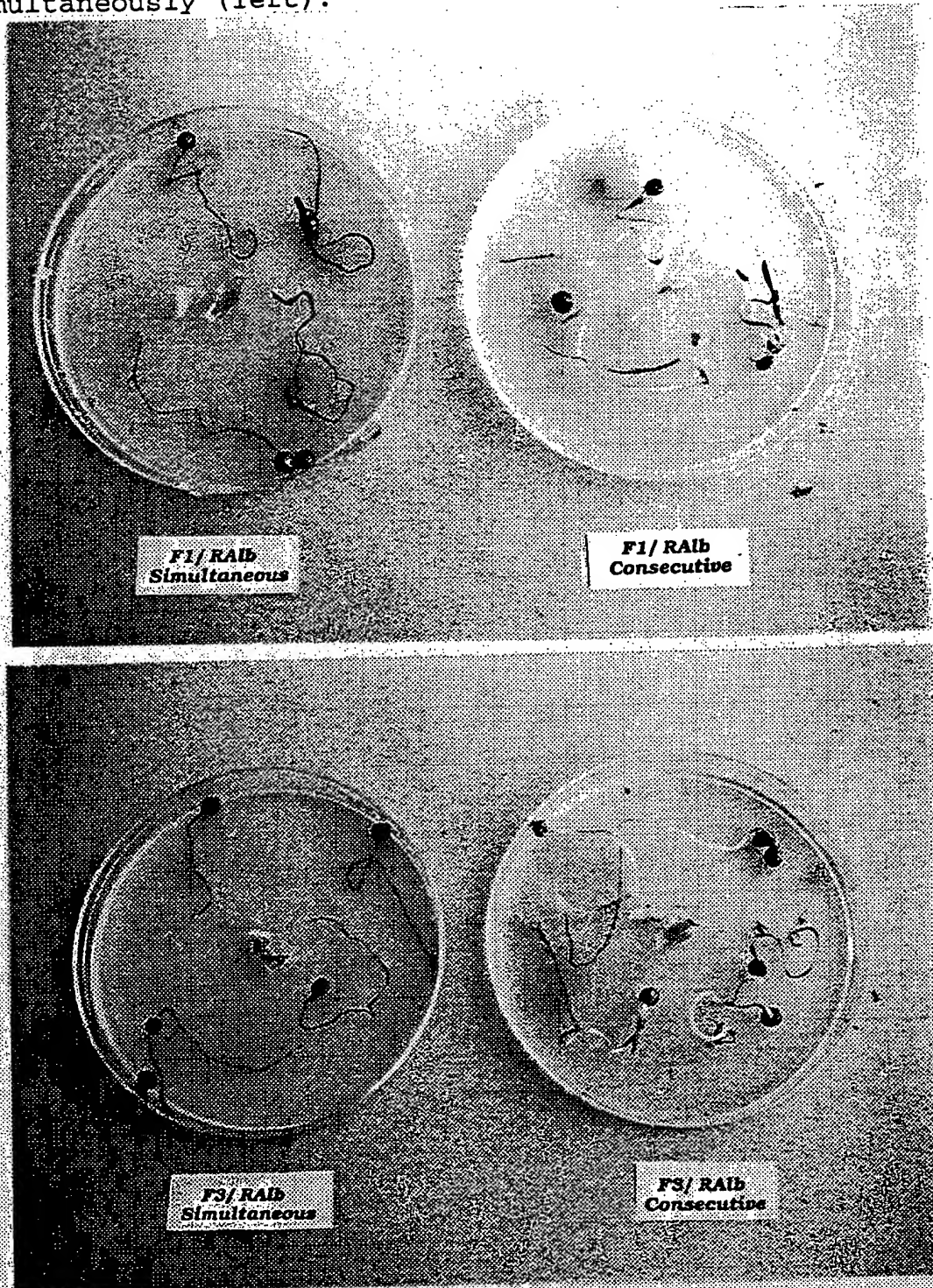


Fig. 45

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## PROTECTION TEST 8

Protection of binucleate strains **Eab-F1** (up) and **Eab-S7** (down) from pathogenic **Rhizoctonia meloni** 8.2 strain on sugar beet seedlings when applied consecutively (right) and simultaneously (left).

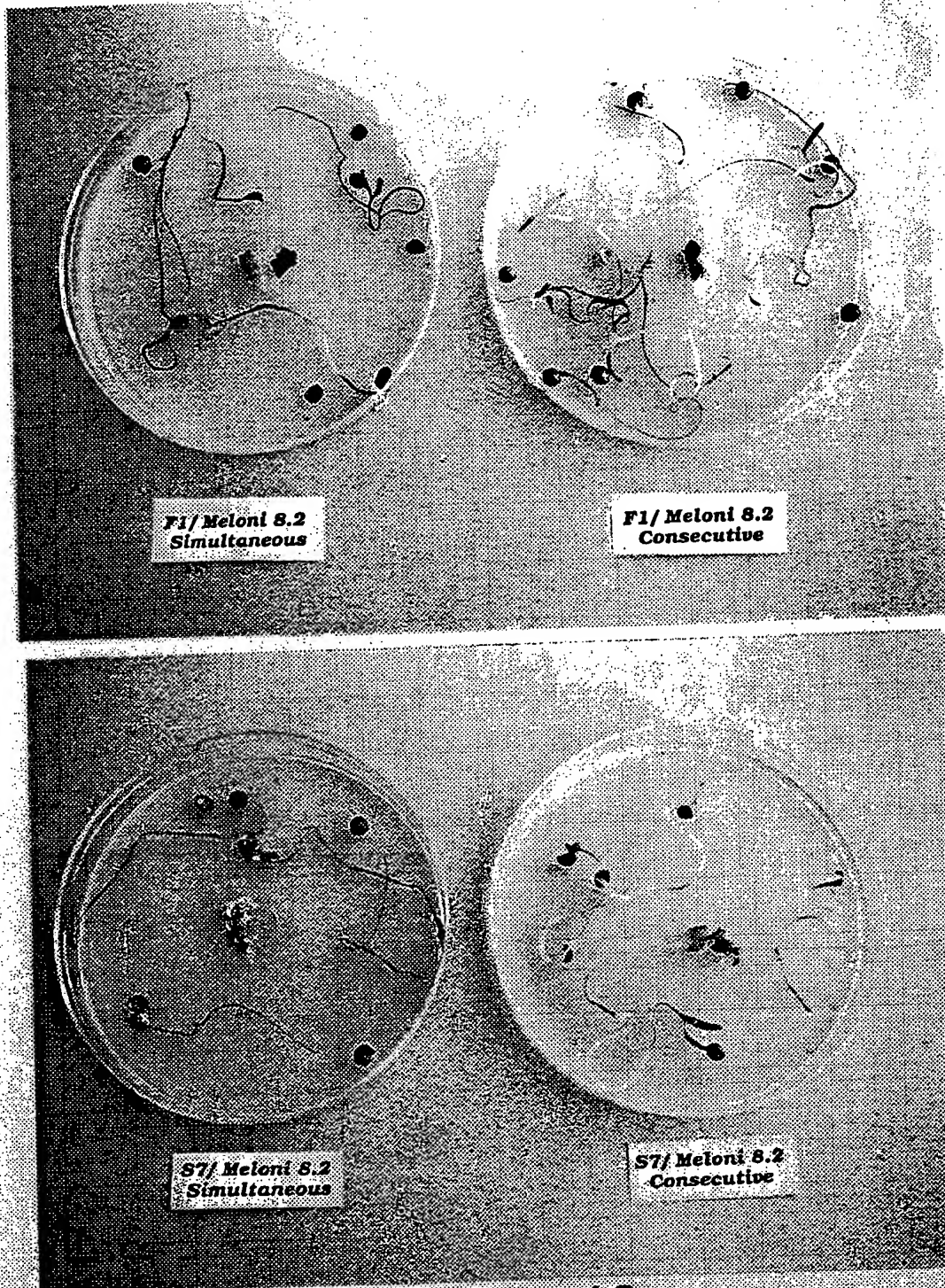


Fig. 46



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## PROTECTION TEST 8

Protection of binucleate strains **Eab-S1** (up) and **Eab-S7** (down) from pathogenic **Rhizoctonia** **RA1b** strain on sugar beet seedlings when applied consecutively (right) and simultaneously (left).

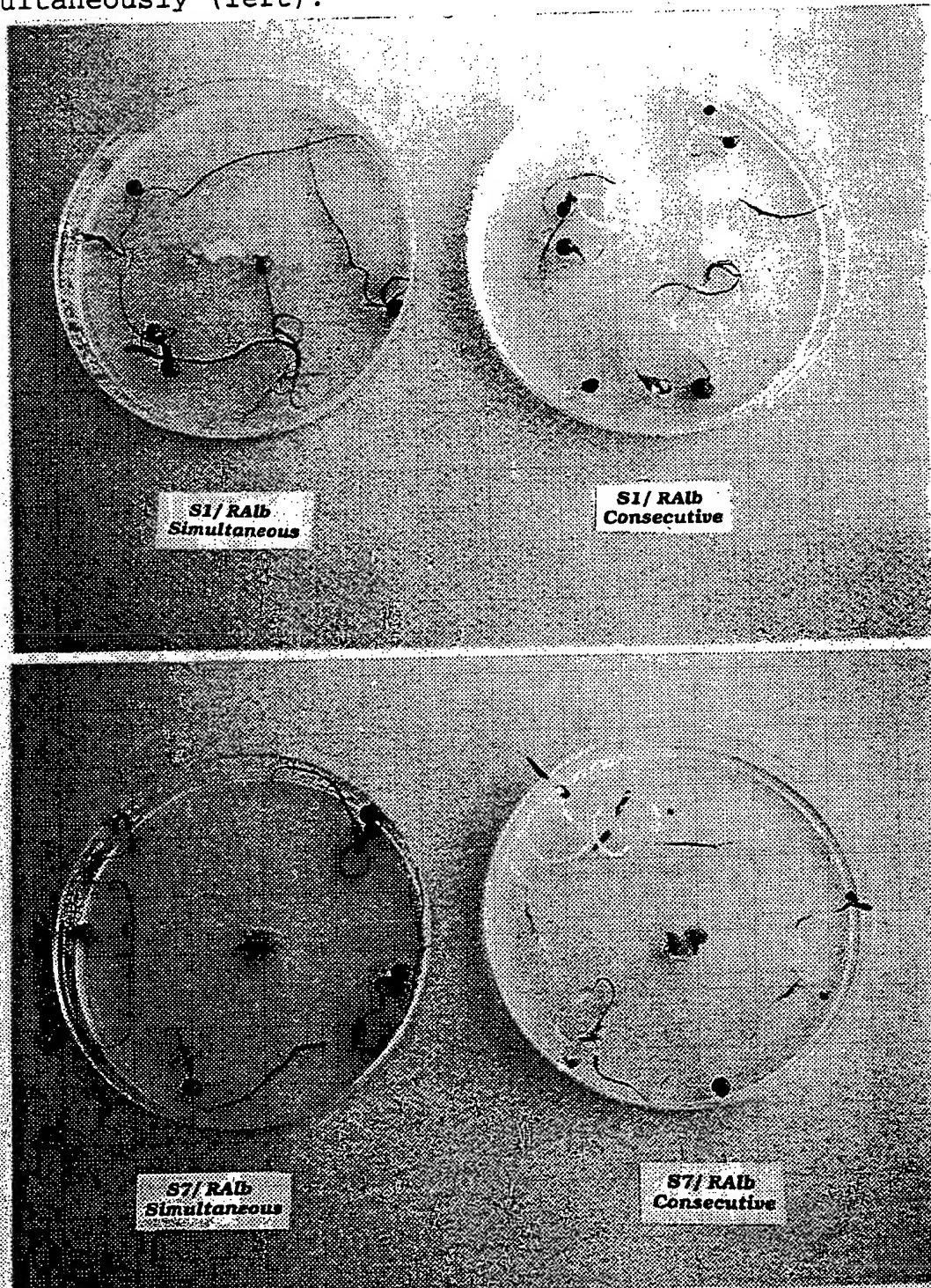


Fig. 47

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## PROTECTION TEST 8

(Up) Negative control without fungus (C-), positive control with pathogenic strain Me 8.2. (Down) Negative control without fungus (C-), positive control with pathogenic strain *Rhizoctonia* RAlb.

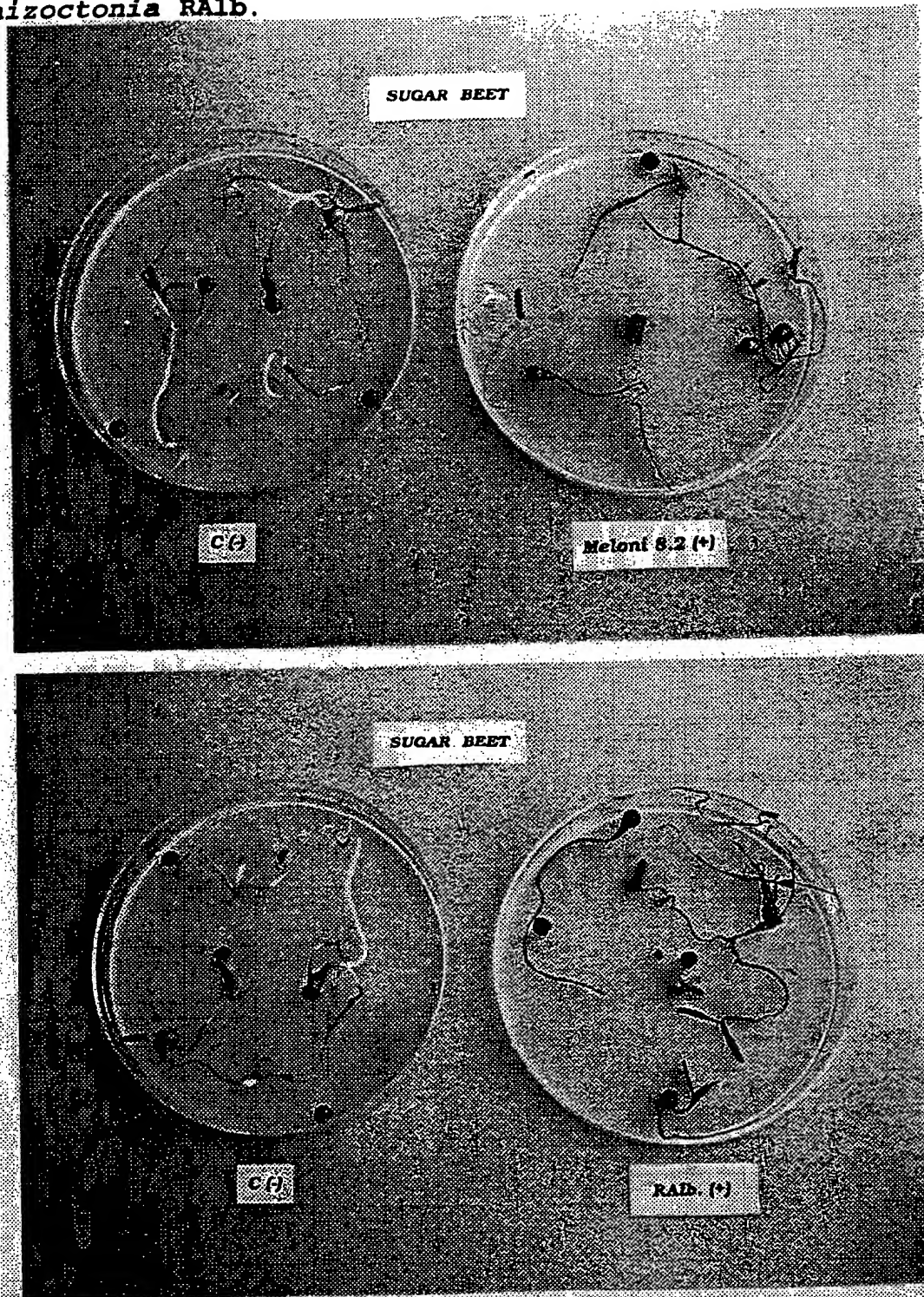


Fig. 48

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## PROTECTION TEST 9

(Up) Negative control without fungus (C-), positive control with pathogenic strain **RAlb**. (Down) Negative control without fungus (C-), positive control with pathogenic strain *Fusarium sp.*

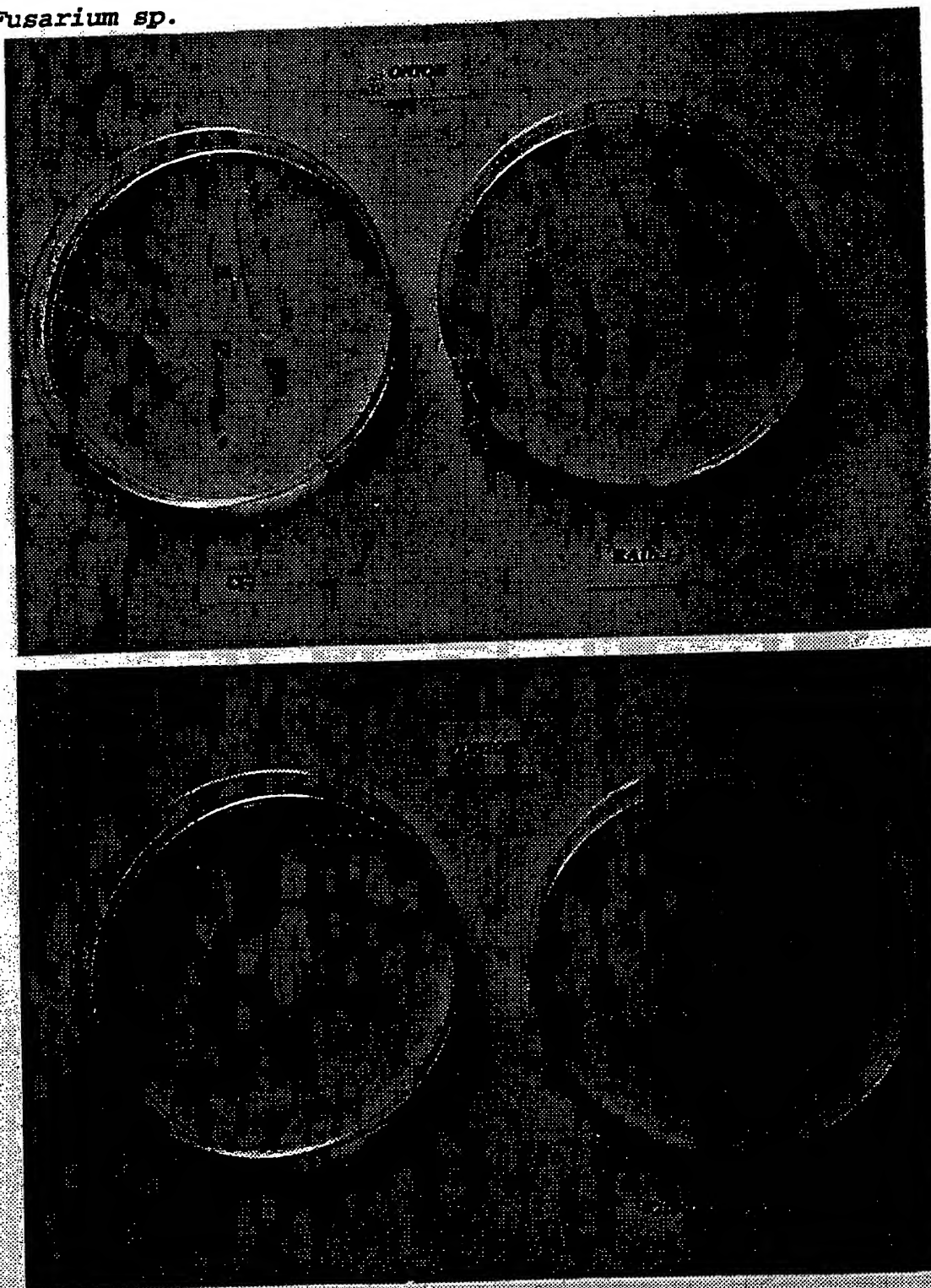


Fig. 49



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## PROTECTION TEST 9

Negative control without fungus (C-), positive control with pathogenic strain Me 8.2.

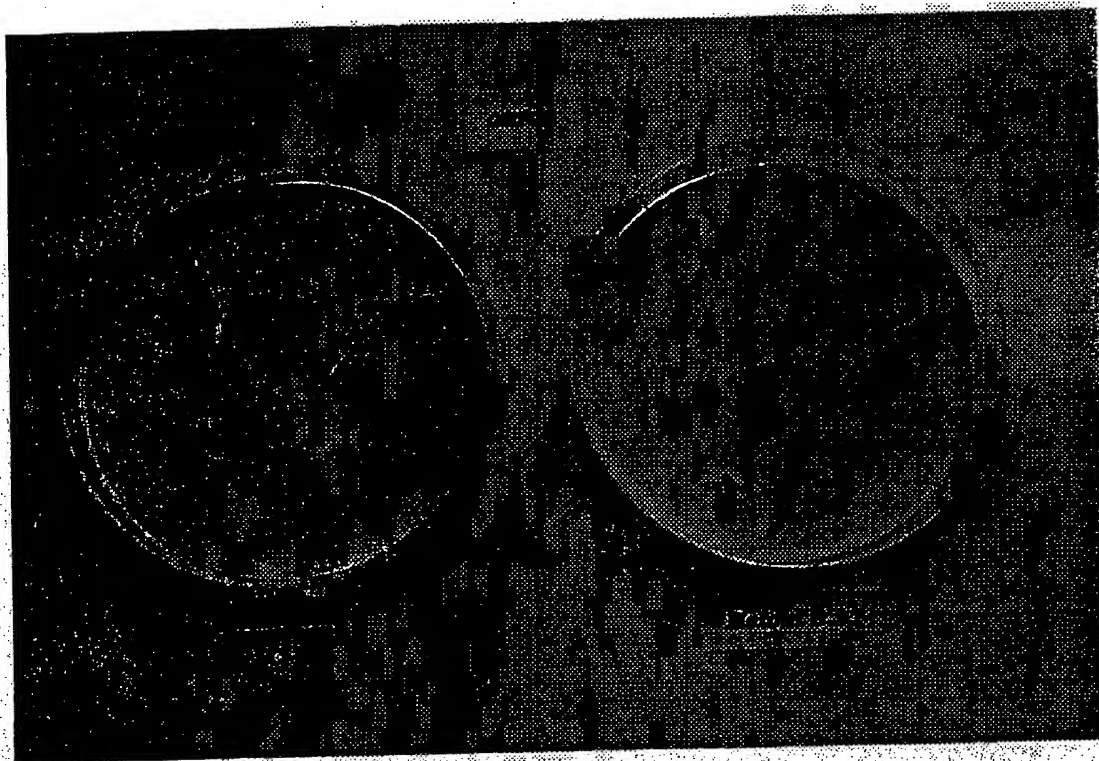


Fig. 50

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## PROTECTION TEST 9

Protection of binucleate strains **Eab-F1** (up) and **Eab-F6** (down) from pathogenic **Rhizoctonia RA1b** strain on onion seedlings when applied consecutively (right) and simultaneously (left).

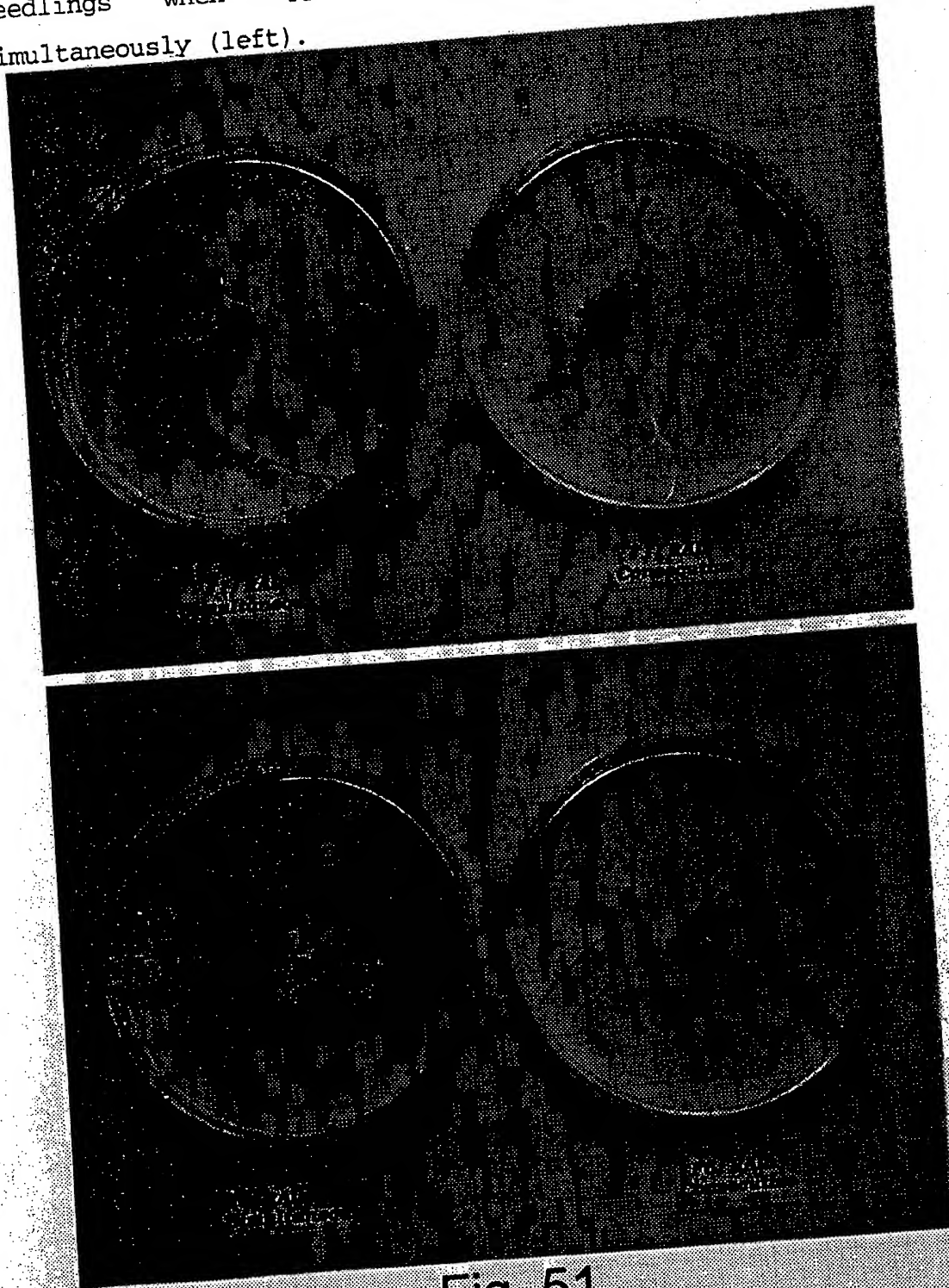


Fig. 51

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## PROTECTION TEST 9

Protection of binucleate strains **Eab-F3** (up) and **Eab-F6** (down) from pathogenic **Rhizoctonia Me 8.2** strain on onion seedlings when applied consecutively (right) and simultaneously (left).

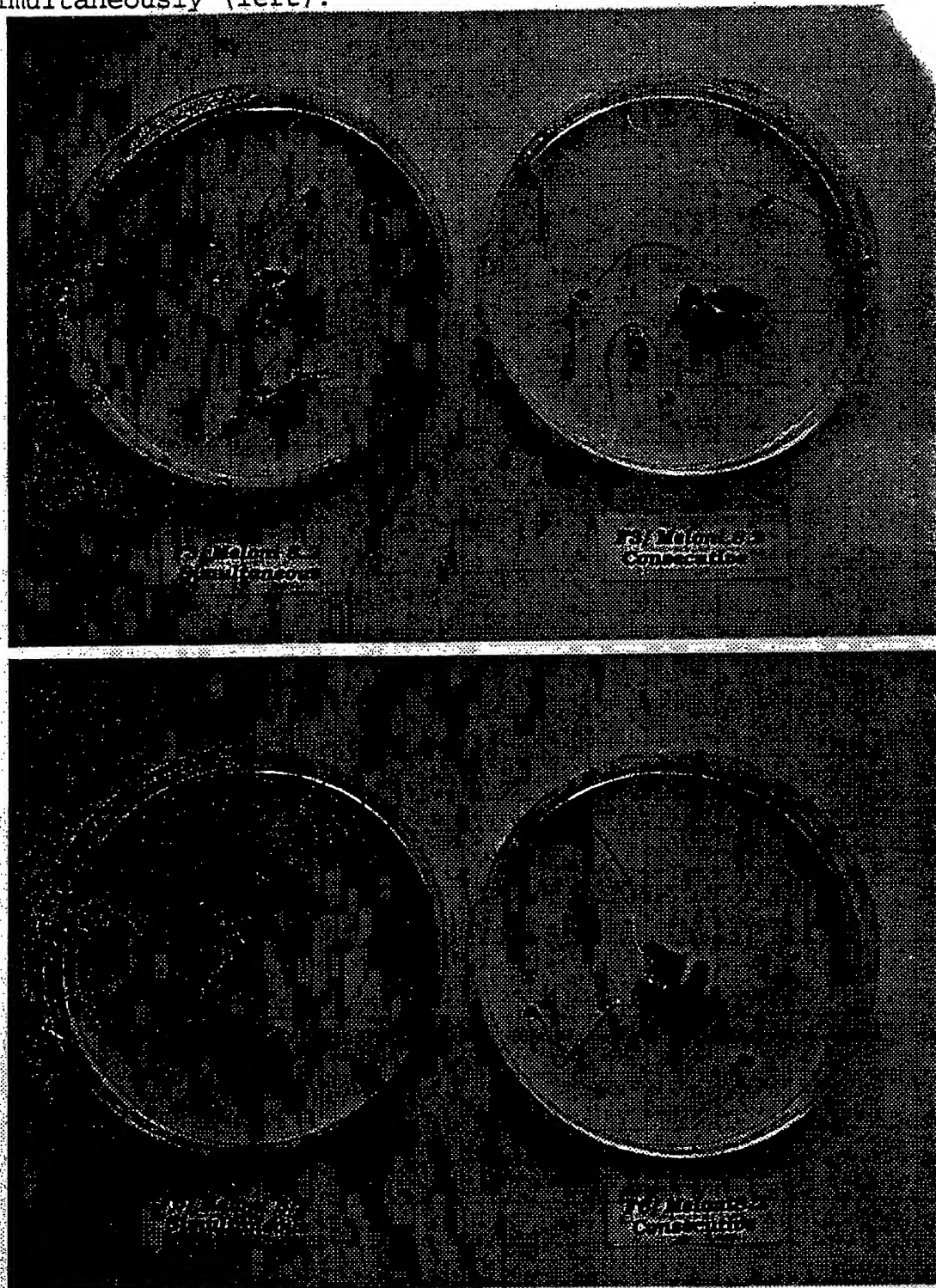


Fig. 52

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## PROTECTION TEST 9

Protection of binucleate strains Eab-F3 (up) and Eab-F6 (down) from pathogenic *Fusarium* sp. strain on onion seedlings when applied consecutively (right) and simultaneously (left).

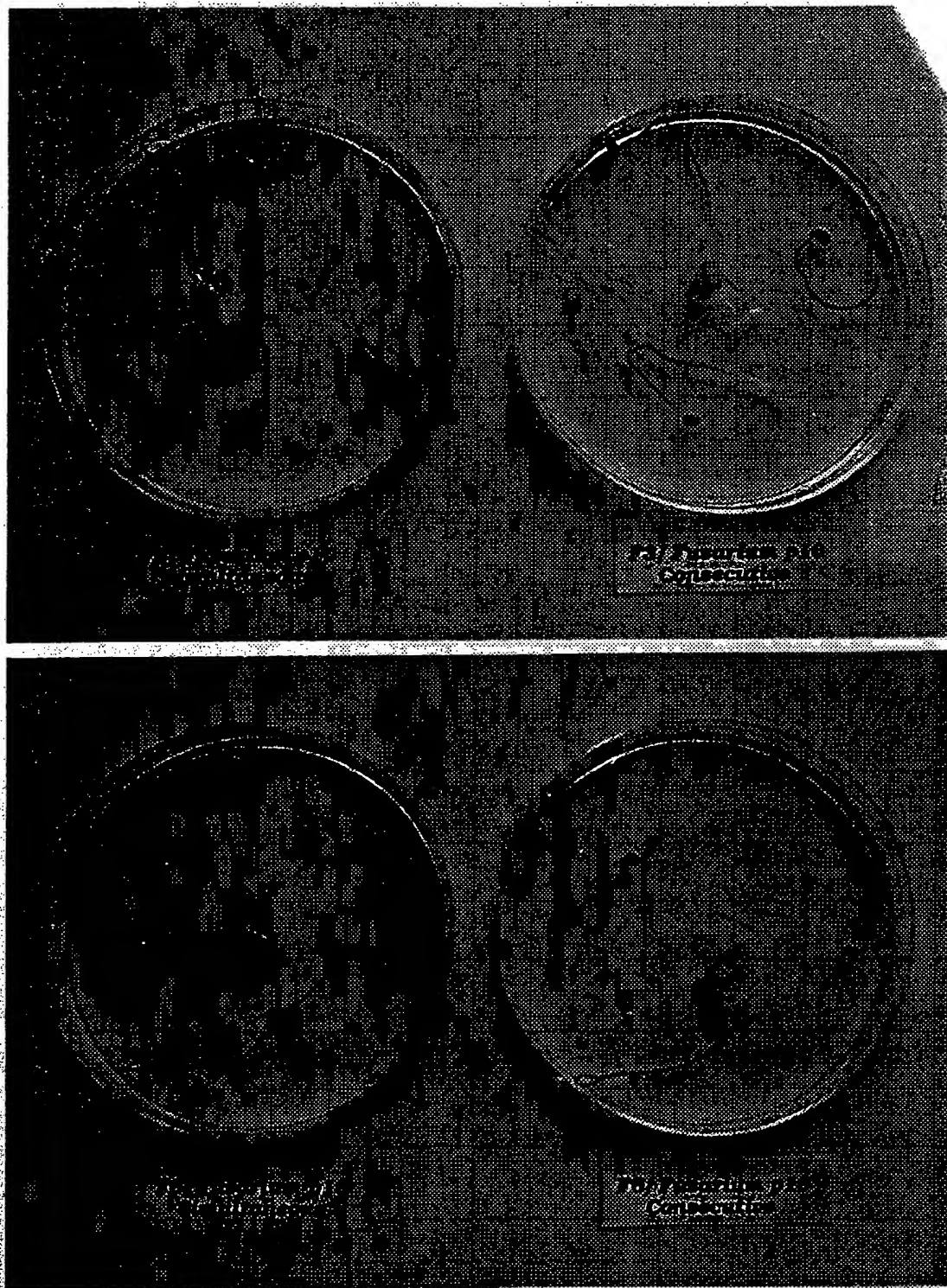


Fig. 53